

The
College of William and Mary
in
Virginia

Bulletin of The College of William and Mary—Catalogue Issue

Vol. 53, No. 6

April, 1959

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PRIORITIES OF THE COLLEGE OF WILLIAM AND MARY.

Chartered February 8, 1693, by King William and Queen Mary.
Main building designed by Sir Christopher Wren.

FIRST College in the United States in its antecedents, which go back to the College proposed at Henrico (1619). Second to Harvard University in actual operation.

FIRST American College to receive its charter from the Crown under the Seal of the Privy Council, 1693. Hence it was known as "their Majesties' Royal College of William and Mary."

FIRST and ONLY American College to receive a Coat-of-Arms from the College of Heralds, 1694.
FIRST College in the United States to have a full Faculty, consisting of a President, six Professors, usher, and writing master, 1729.

FIRST College to confer medallic prizes: the gold medals donated by Lord Botetourt in 1771.

FIRST College to establish an inter-collegiate fraternity, the Phi Beta Kappa, December 5, 1776.

FIRST College to have the Elective System of study, 1779.

FIRST College to have the Honor System, 1779.

FIRST College to become a University, 1779.

FIRST College to have a school of Modern Languages, 1779.

FIRST College to have a school of Municipal and Constitutional Law, 1779.

FIRST College to teach Political Economy, 1784.

FIRST College to have a school of Modern History, 1803.

*Presented by the Colonial Capital Branch of
The Association for the
Preservation of Virginia Antiquities,
1914.*

Vol. 53, No. 6

April, 1959

BULLETIN
of
**The College of William and Mary
in Virginia**

CATALOGUE NUMBER



TWO HUNDRED AND SIXTY-SIXTH YEAR
1958-1959

Announcements, Session 1959-1960

WILLIAMSBURG, VIRGINIA
1959

1959

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CONTENTS

	<i>Page</i>
COLLEGE CALENDAR	7
HISTORY OF THE COLLEGE	9
THE HONOR SYSTEM	14
OFFICERS OF THE COLLEGE	18
BOARD OF VISITORS	18
STANDING COMMITTEES OF THE BOARD OF VISITORS	18
OFFICERS OF ADMINISTRATION	19
The College of William and Mary	19
Norfolk and Richmond Branches of the College	21
INSTRUCTIONAL STAFF	22
SUPERVISORS OF TEACHER-TRAINING	36
LIBRARY STAFF	40
HEALTH SERVICE STAFF	40
COMMITTEES OF THE FACULTY	41
COLLEGE CAMPUS AND BUILDINGS	44
THE LIBRARY	45
STUDENT LIFE	48
RESERVE OFFICERS' TRAINING CORPS	58
SUPERVISION OF STUDENTS AND COLLEGE REGULATIONS	60
STUDENT PERSONNEL SERVICES	69
THE SOCIETY OF THE ALUMNI	72
FEEES AND EXPENSES	73
ADMISSION TO THE COLLEGE	79
REQUIREMENTS FOR DEGREES	84
DIVISIONS OF INSTRUCTION	97
COURSES OF INSTRUCTION	98
MARSHALL-WYTHE SCHOOL OF LAW	177

	<i>Page</i>
PRE-PROFESSIONAL PROGRAMS	253
INSTITUTE OF EARLY AMERICAN HISTORY AND CULTURE	265
VIRGINIA FISHERIES LABORATORY	267
THE MARSHALL-WYTHE SCHOOL OF GOVERN- MENT AND CITIZENSHIP	269
THE COLLEGE NEWS BUREAU	270
THE 1958 SUMMER SESSION	271
THE EVENING COLLEGE	274
RICHMOND PROFESSIONAL INSTITUTE	276
THE NORFOLK DIVISION OF THE COLLEGE	278
THE WILLIAM AND MARY ENDOWMENT FUND	280
GIFTS AND BEQUESTS	281
SCHOLARSHIPS, LOANS AND STUDENT EMPLOYMENT	284
PRIZES AND HONOR AWARDS	297
DEGREES CONFERRED	
REGULAR SESSION 1957-1958	300
SUMMER SESSION 1958	311
ENROLLMENT—SESSION 1958-1959	314
GEOGRAPHICAL DISTRIBUTION OF STUDENTS	314
SESSION 1958-1959	314
SUMMER SESSION 1958	316
INDEX	317

ILLUSTRATIONS

	<i>Page</i>
THE SIR CHRISTOPHER WREN BUILDING (1695)	Frontispiece
TABLET IN THE ARCADE OF THE WREN BUILDING	Frontispiece
THE LIBRARY AND WILLIAM BARTON ROGERS SCIENCE HALL	32
THE PRESIDENT'S HOUSE ON THE OLD CAMPUS (1732)	33
PHI BETA KAPPA MEMORIAL HALL	64
THE RADIO STUDIO IN PHI BETA KAPPA HALL	65
THE REFERENCE ROOM IN THE COLLEGE LIBRARY	65
THE WILLIAM AND MARY CHOIR	96
A SCENE FROM A WILLIAM AND MARY THEATRE PRODUCTION	96
ARCHITECT'S DRAWING OF THE NEW CAMPUS CENTER	97
BRYAN HALL, DORMITORY FOR MEN	97
THE CHAPEL IN THE WREN BUILDING	128
THE LIBRARY WALK	129
LANDRUM HALL, DORMITORY FOR WOMEN	129
A SECTION OF A SCULPTURE CLASS	160
A PHYSICS LABORATORY	160
THE DODGE ROOM, PHI BETA KAPPA MEMORIAL HALL	161
HOCKEY PRACTICE, CHANDLER AND BARRETT HALLS IN THE BACKGROUND	161

	<i>Page</i>
THE MARSHALL-WYTHE BUILDING	192
A ROOM IN BRYAN HALL	193
A SECTION OF THE LIVING ROOM IN BARRETT HALL	193
THE MAIN HALL IN THE SIR CHRISTOPHER WREN BUILDING LOOKING TOWARDS THE SUNKEN GARDEN	228
COFFEE BREAK IN THE COLONY ROOM	228
REAR VIEW OF THE SIR CHRISTOPHER WREN BUILDING SHOWING THE ARCADE	229

COLLEGE CALENDAR

1959

FIRST SEMESTER

<i>September 13-19</i>	Orientation Period (Sunday-Saturday)
<i>September 17</i>	Freshman Registration (Thursday)
<i>September 18</i>	Registration of Other Students (Friday)
<i>September 19</i>	Beginning of Classes: 8 A.M. (Saturday)
<i>October 10</i>	Homecoming Day (Saturday)
<i>October 28</i>	Autumn Convocation: 11 A.M. (Wednesday)
<i>November 4</i>	Mid-Semester Reports Filed with Registrar: 9 A.M. (Wednesday)
<i>November 26</i>	Thanksgiving Day, A Holiday (Thursday)
<i>December 7-16</i>	Pre-Registration Period (Monday-Wednesday)
<i>December 19</i>	Beginning of Christmas Recess: 1 P.M. (Saturday)

1960

<i>January 4</i>	End of Christmas Recess: 8 A.M. (Monday)
<i>January 15</i>	End of Classes: 5 P.M. (Friday)
<i>January 16-18</i>	Pre-Examination Period (Saturday-Monday)
<i>January 19-28</i>	Mid-Year Examinations (Tuesday-Thursday)

SECOND SEMESTER

<i>February 1</i>	Registration (Monday)
<i>February 2</i>	Beginning of Classes: 8 A.M. (Tuesday)
<i>February 8</i>	Charter Day Convocation: 10 A.M. (Monday)
<i>March 23</i>	Mid-Semester Reports Filed with Registrar: 9 A.M. (Wednesday)
<i>March 26</i>	Beginning of Spring Recess: 1 P.M. (Saturday)
<i>April 4</i>	End of Spring Recess: 8 A.M. (Monday)
<i>April 28</i>	Spring Honors Convocation: 11 A.M. (Thursday)

<i>May 9-18</i>	Pre-Registration Period (Monday-Wednesday)
<i>May 20</i>	End of Classes: 5 P.M. (Friday)
<i>May 21-23</i>	Pre-Examination Period (Saturday-Monday)
<i>May 24-June 2</i>	Final Examination Period (Tuesday-Thursday)
<i>June 4</i>	Alumni Day (Saturday)
<i>June 5</i>	Baccalaureate and Commencement Day (Sunday)

SUMMER SESSION

<i>June 13</i>	Beginning of First Session (Monday)
<i>July 22</i>	End of First Session (Friday)
<i>July 25</i>	Beginning of Post Session (Monday)
<i>August 12</i>	End of Post Session (Friday)
<i>August 13</i>	Commencement (Saturday)

HISTORY OF THE COLLEGE

A FEW YEARS after the founding of Jamestown, a movement was started in England and in Virginia to establish a college, and its construction actually was begun at the city of Henrico on the James River, ten miles below the present city of Richmond. The Indian massacre of 1622 disrupted these plans, but the idea persisted. In 1661, the General Assembly of Virginia provided for the establishment of a "Colledge," but the plan was not carried out; it was not until 1693 that the College of William and Mary in Virginia was chartered by the joint sovereigns whose names it bears. The Bishop of London was named its first chancellor, and Reverend James Blair became the first president, occupying this office until his death fifty years later. In 1695, while Jamestown was still the capital of Virginia, construction of the new college was begun at Middle Plantation, located midway between the James and York rivers. The Wren Building, the oldest academic building in continuous use in the United States, was constructed from plans supplied by Sir Christopher Wren, and for many years it provided living quarters and classroom facilities for the entire college. From 1700 to 1705, it was the meeting place for the General Assembly of Virginia. In 1699, Middle Plantation became Williamsburg and the capital of Virginia.

Holding a royal charter, with arms granted by the College of Heralds, the College of William and Mary enjoyed the benefit of royal favor and of the deep interest of the General Assembly of Virginia, which granted it the income from certain import and export duties. Until the American Revolution, it was, perhaps, the wealthiest college in America. While the charter provided for a president and six masters, or professors, it was not until 1729 that all these professorships were established. The chairs were: Divinity, Philosophy, Oriental Languages, Mathematics, and Grammar School, and the Indian School. The Indian School, endowed from a large estate which Robert Boyle, the eminent English physicist and formulator of "Boyle's Law" left for "pious and religious uses," was housed in the Brafferton, built in 1723, and named for a manor in Yorkshire, from which most of

its revenue was derived. The Indian School languished, however, and failed to survive the Revolution. In 1705, the Wren Building was destroyed by fire. It was rebuilt on the original foundation and completed about 1716. In 1732, the chapel wing of the Wren Building was opened, and the foundation of the President's House was laid. In 1776, Phi Beta Kappa, the first Greek-letter fraternity in an American college, was founded by a group of students in the College. In 1779, the first Honor System was instituted, and in the same year came the sharpest break with academic tradition. Under the influence of Thomas Jefferson, then Governor of Virginia, the curriculum was severely revised: a school of law was established, the first school of law in America and the second in the English-speaking world; the old departments were replaced by professorships of Anatomy and Medicine, Natural Philosophy and Mathematics, Moral Philosophy and Fine Arts, and Modern Languages.

When the Colonies resisted the policies of the British Crown, William and Mary, although wealthy and under royal patronage, chose to risk the loss of material substance for principle. Taking an active part in the events accompanying the Revolution and the founding of the Republic, the College supplied such leaders as Thomas Jefferson, James Monroe, Peyton Randolph, Richard Bland, John Marshall, and Benjamin Harrison to the cause of Independence. Although George Washington never attended William and Mary, he received his surveyor's commission from the College, and served as its Chancellor from 1789 until his death.

In 1781, during the memorable Yorktown campaign, academic life was interrupted temporarily, the buildings being occupied, in turn, by the army of Cornwallis and by our French allies. The President's House, built in 1732, and occupied by every President of the College, was accidentally burned, in part, by the French troops. It was later restored by Louis XVI.

Following the war, William and Mary was seriously impoverished by the loss of its invested funds and of the income from duties granted by the General Assembly of Virginia. Under the able administration of Bishop James Madison, cousin to President James Madison, the College recovered rapidly, and during the presidency of Thomas Roderick Dew (1836-46) reached its peak enrollment until comparatively recent times. In 1854,

Benjamin Stoddert Ewell became President. On the 166th anniversary of the founding, the interior of the Wren Building was burned a second time; some early documents, including the original charter, all of the library, and the chemical laboratory, were destroyed.

With the advent of war in 1861, the College closed, and the President, faculty, and student body entered the Confederate service. Again the academic halls echoed to the tramp of soldiers, the buildings being occupied successively by both the Confederate and Union armies. In 1862, the Wren Building was burned a third time when Union troops, acting without orders, set fire to the structure. With the return of peace in 1865, the College was reopened by President Ewell. With resources gone, students and faculty scattered, the main building with the library burned, William and Mary was an example of the devastation of war. Heroically, Colonel Ewell fought an apparently losing fight, and although somewhat rehabilitated, the College was forced, in 1881, to suspend operations for lack of funds. The charter was kept alive by President Ewell, who rang the College bell to mark the opening of every term, though only a handful of students remained for gratuitous instruction.

In 1888, with a State grant of \$10,000, the College reopened under the presidency of Lyon G. Tyler, son of John Tyler, former President of the United States. In 1906, it became a state institution, and its control was placed under a Board of Visitors appointed by the Governor of Virginia. It became coeducational in 1918. During the administration of Julian Alvin Carroll Chandler (1919-1934), an alumnus, the facilities were increased tenfold, the student body growing from 130 to 1,300, with a faculty of nearly one hundred. The College also expanded to include a Division in Richmond (1925), now the Richmond Professional Institute, and a Norfolk Division (1930).

Between 1928 and 1932 the three earliest buildings, the Wren Building, the Brafferton, and the President's House, were restored to their original appearance through the generosity of John D. Rockefeller, Jr.

President Chandler was succeeded, in 1934, by John Stewart Bryan as the twentieth President, who continued the expansion of the facilities of the College. Shortly after the United States entered the Second World War, Mr. Bryan retired, to become

the fourth American chancellor. He was followed by President John Edwin Pomfret, who guided William and Mary through the grim days of the war-years. For a period the ancient walls resounded to the marching feet of an Army Specialized Training Program unit. A school for the training of Naval Chaplains was established on the campus and continued to the end of the war. The College experienced the general abnormal expansion following 1946, when the returning veterans increased the enrollment, for a time, to slightly over the 2,000 mark. In 1943, the Institute of Early American History and Culture was formed by the union of the historical resources of the College and Colonial Williamsburg, Inc. This organization of scholars is devoted to study and research in Colonial American history; its purpose is "to promote sound interpretation of the American heritage on all levels."

President Pomfret was followed by Vice Admiral Alvin Duke Chandler, who became the twenty-second President in October, 1951. In September, 1954, the Department of Jurisprudence became the Marshall-Wythe School of Law.

After passing through three fires, the War of the Revolution, the War of 1861, and the economic chaos that followed both, William and Mary has survived, and today, in the unique setting of Williamsburg, with the cultural heritage of the past, and a clear academic vision for the future, it serves Virginia and the nation as it originally served Virginia and the Crown.

So intimately associated is the name of William and Mary with the names of famous Americans, that its history forms an important part of the history of the nation. Among the distinguished William and Mary names in the years subsequent to the great flowering of the eighteenth century are those of John Tyler, President of the United States; John Randolph of Roanoke; Philip Pendleton Barbour; William T. Barry; Alexander H. H. Stuart; William Cabell Rives; John T. Crittenden, author of the Crittenden Compromise; Lieutenant General Winfield Scott, hero of the Mexican War and Commander of the Army of the United States in 1861; Edmund Ruffin, famous Southern agriculturist; James M. Mason of "Mason and Slidell" fame; William B. Taliaferro, Major General, C. S. A.; William Barton Rogers, founder of the Massachusetts Institute of Technology; James Branch Cabell; Admiral Cary T. Grayson, and Admiral John L.

Hall, Jr. The roll of fame of William and Mary includes the first president and fifteen members of the Continental Congress, four signers of the Declaration of Independence, three presidents of the United States, one chief justice and three associate justices of the Supreme Court, thirteen cabinet members, twenty-nine senators, three speakers and fifty-five members of the House of Representatives, eighteen foreign ministers, one lieutenant general, twenty-one governors of Virginia, twenty-two judges of the Virginia Supreme Court of Appeals, besides many others distinguished in civil and military life, in letters, science, education, and the church.

THE HONOR SYSTEM

HISTORY AND BACKGROUND

THE HONOR SYSTEM was established at William and Mary in 1779. The essence of the Honor System is individual responsibility. It assumes that the principles of honorable conduct are familiar and dear to all students; it assumes that every student is deeply concerned with the strict observance of these principles, for his own sake, for the sake of his fellow students, and for the sake of the College.

PERSONNEL OF THE HONOR COUNCILS

The Men's Honor Council is composed of three senior representatives, three junior representatives, and two sophomore representatives, elected by the men's student body. A Chairman and a Vice-Chairman are chosen by the Council from among the senior representatives and a Secretary is chosen from among the junior representatives. In the case of a tie-vote for Chairman, Vice-Chairman, or Secretary, the outgoing Chairman will cast the deciding vote.

The Women's Honor Council is composed of a Chairman and two additional senior representatives, three junior representatives, and two sophomore representatives elected by the women's student body. A Vice-Chairman and a Secretary are chosen by the Council from the senior and junior representatives, respectively. In case of a tie-vote for Vice-Chairman or Secretary, the outgoing Chairman will cast the deciding vote.

PRACTICES

Upon matriculation, each student shall sign a statement to the effect that he understands what is expected of him under the honor system and that infraction of the Honor Code at any time during his student days is punishable by dishonorable dismissal from College. Infractions include cheating, stealing, lying and

failure to report an offense. A professor may require the signing of a formal pledge on any work, even though the initial pledge stands as long as the student is enrolled in the College.

The faculty will explain whether or not aid may be given or received on a particular assignment. Giving aid to any student or receiving aid without the consent of the professor in tests, quizzes, assignments, or examinations is cheating. All cheating, whether in tests, quizzes, assignments or examinations, is a violation of the Honor Code.

Physical comfort, as well as usual practice, suggests that students shall occupy alternate seats during an examination. In consideration for others, students should not disturb a class by leaving the examination room except when necessary, or by remaining absent except for a brief period.

Since the student assumes the responsibility for the administration of the Honor System, the College does not practice supervision of examinations by proctors.

REPORTING A BREACH OF HONOR

Any person believing that a breach of the Honor Code has been committed should challenge the student accused of the act and offer him the opportunity to resign from the College immediately or to report himself to the Honor Council (if the accused does not report himself to the Honor Council, the accuser must report the case).

In such cases where a direct challenge is not feasible, he may report the suspect directly to any member of the Men's or Women's Honor Councils, who will in turn, promptly notify the accused of the accusation against him.

TRIAL OF THE ACCUSED

A student accused of a breach of the Honor Code shall be entitled to know the charges against him, the evidence given, and to be confronted by the witnesses.

The accused shall have a right to ask any member of the Honor Council, who will not be a witness (except the Chairman)

to be his counsellor. If the accused does not wish such a counsellor, then the Chairman shall direct one member of the Council to withdraw from the council so far as the trial of that particular case is concerned, to the end that the accused be tried by a council of seven.

At the trial of the case, the presiding officer of the Honor Council shall conduct the meeting. Minutes of the trial shall be kept by the Secretary. These minutes shall be the property of the Honor Council, whose duty it shall be to see that they are stored in the College vaults.

At the trial the accused shall be at liberty to say what he chooses in his own defense. A witness called to testify must appear before the Honor Council and must give such testimony pertaining to the case as may be requested by the Council. Lying before the Honor Council is in itself a violation of the Honor Code. The minutes of any trial may be inspected in the presence of two or more members of the Council by persons satisfying the Council of their legitimate interest in the case. In the event that the accused is declared innocent, the minutes of the trial shall be immediately destroyed.

FAILURE TO STAND TRIAL

Should the accused leave the College without appearing before the Honor Council for trial, the accuser shall report the name of the accused and the breach of honor to the presiding officer of the Honor Council. The Honor Council shall then record the facts of the case and advise the President of the College that the student withdrew under suspicion of a breach of honor.

PENALTY FOR A BREACH OF HONOR

A violation of the Honor Code is punishable by dismissal from College. The essential basis of the Honor System is that all honor is indivisible and as such calls for the same treatment; but the penalty may be modified when in the opinion of the Council conclusive reasons for so doing exist.

If after trying a case, six of the seven members of the Council are convinced of the guilt of the accused and shall so cast their

votes in a secret ballot, the Honor Council shall immediately report its findings and recommendations to the President of the College.

Penalties shall be imposed promptly, and, in case of dismissal, the President of the College shall have the parents and the Alumni Secretary informed, and shall have the facts recorded on all official records.

RETRIAL OF HONOR CASES

A case may be reopened upon the presentation of new evidence bearing directly on the question of guilt. Persons desiring to reopen a case shall appear before the Honor Council to present such new evidence, and the Council shall determine whether or not this new evidence is sufficiently conclusive to warrant a retrial. Should the case be reopened, it must be entirely retried.

OFFICERS OF THE COLLEGE

Board of Visitors

JAMES M. ROBERTSON
MRS. PHILIP W. HIDEN

Rector
Vice-Rector

To MARCH 7, 1960

ROY R. CHARLES	Norfolk, Virginia
W. BROOKS GEORGE	Richmond, Virginia
MRS. PHILIP W. HIDEN	Newport News, Virginia
H. LESTER HOOKER	Richmond, Virginia
T. EDWARD TEMPLE	Danville, Virginia

To MARCH 7, 1962

M. CARL ANDREWS	Roanoke, Virginia
R. WILLIAM ARTHUR	Wytheville, Virginia
JAMES M. ROBERTSON	Norfolk, Virginia
J. ASA SHIELD	Richmond, Virginia
EDWARD P. SIMPKINS, JR.	Richmond, Virginia

The State Superintendent of Public Instruction, Ex-Officio

DAVIS Y. PASCHALL, Richmond, Virginia

Secretary to the Board of Visitors

ROY R. CHARLES

Standing Committees of the Board of Visitors

Executive: JAMES M. ROBERTSON, *Chairman*; ROY R. CHARLES; W. BROOKS GEORGE; MRS. PHILIP W. HIDEN; H. LESTER HOOKER; T. EDWARD TEMPLE.

Buildings and Grounds: ROY R. CHARLES, *Chairman*; R. WILLIAM ARTHUR; W. BROOKS GEORGE; J. ASA SHIELD; EDWARD P. SIMPKINS, JR.

Divisions: EDWARD P. SIMPKINS, JR., *Chairman*; ROY R. CHARLES; MRS. PHILIP W. HIDEN.

Education: H. LESTER HOOKER, *Chairman*; M. CARL ANDREWS; R. WILLIAM ARTHUR; ROY R. CHARLES; T. EDWARD TEMPLE.

Finance: T. EDWARD TEMPLE, *Chairman*; ROY R. CHARLES; W. BROOKS GEORGE; MRS. PHILIP W. HIDEN; H. LESTER HOOKER.

Honorary Degrees: JAMES M. ROBERTSON, *Chairman*; M. CARL ANDREWS; R. WILLIAM ARTHUR; MRS. PHILIP W. HIDEN; H. LESTER HOOKER; J. ASA SHIELD; T. EDWARD TEMPLE.

Office of the President

ALVIN DUKE CHANDLER
WILLIAM F. SWINDLER
HUGH H. SISSON, JR.

President of the College
Director of Development
Bursar of the College

Educational Administration

W. MELVILLE JONES
GEORGE J. OLIVER

Acting Dean of the Faculty
Coordinator of Branch Activities
and Director of Extension

DONALD J. HERRMANN
JOHN S. QUINN

Director of the Summer Session
Coordinator of the Evening Session

Marshall-Wythe School of Law

DUDLEY WARNER WOODBRIDGE

Dean of the Marshall-Wythe
School of Law

Business and Plant Administration

HUGH H. SISSON, JR.
VERNON L. NUNN
HENRY M. KEYSER
CHARLES E. CHANDLER
DENNIS K. COGLE

Bursar
Auditor
Superintendent of Buildings and Grounds
Director of Purchase and Stores
Personnel Supervisor

Admissions and Student Aid

H. WESTCOTT CUNNINGHAM
ROBERT P. HUNT
JOHN C. BRIGHT

Dean of Admissions
Assistant to Dean of Admissions
Director of Student Aid

Student Personnel Administration

J. WILFRED LAMBERT	<i>Dean of Students and Registrar</i>
OVERTON DURRETT	<i>Acting Dean of Men</i>
BIRDENA E. DONALDSON	<i>Dean of Women</i>
JOAN C. KING	<i>Assistant Dean of Women</i>
ROBERT E. DEBORD, M.D.	<i>College Physician</i>
DEORE J. CANNON	<i>Director of Counseling</i>
ELIZABETH R. STEARNS	<i>Assistant Registrar</i>

Library

JAMES A. SERVIES	<i>Librarian</i>
EARL GREGG SWEM	<i>Librarian Emeritus</i>

Development and Public Information

WILLIAM F. SWINDLER	<i>Director of Development and Public Information</i>
JOAN DAVIDSON	<i>Editor of the News Bureau</i>
JAMES S. KELLY	<i>Alumni Secretary</i>

NORFOLK AND RICHMOND BRANCHES OF THE COLLEGE

The Norfolk Division

LEWIS W. WEBB, JR.	<i>Provost</i>
EDWARD V. PEELE	<i>Dean of Instruction</i>
ROBERT C. McCLELLAND	<i>Director of the Evening College</i>
LEE M. KLINEFELTER	<i>Director of the Technical Institute</i>
HAROLD J. WRIGHT	<i>Dean of Admissions and Dean of Men</i>
REBECCA O. WHITE	<i>Dean of Women</i>
ELIZABETH S. ANGELL	<i>Registrar</i>
WILLIAM C. POLLARD	<i>Librarian</i>
HART SLATER	<i>Business Manager</i>

The Richmond Professional Institute

HENRY H. HIBBS	<i>Provost</i>
MARGARET L. JOHNSON	<i>Dean of Students</i>
WILLIAM R. O'CONNELL, JR.	<i>Dean of Men</i>
ETHEL B. RIEBE	<i>Registrar</i>
CURTIS G. KEESEE, JR.	<i>Admissions Officer and Assistant to Provost</i>
ROBERT T. ENGLISH, JR.	<i>Business Manager</i>
MELVIN E. FULLER	<i>Director of the Night College</i>

INSTRUCTIONAL STAFF*

ALVIN DUKE CHANDLER (1951, 1951), B.S., LL.D., *President of the College.*

JEAN STEWART MAJOR (1928, 1928), *Associate Professor of Home Economics, Emeritus.* B.S. and M.A., Columbia University.

CHARLES P. SHERMAN (1925, 1925), *Lecturer, Emeritus, in Roman Canon and Civil Law.* A.B., LL.B., and D.C.L., Yale University; LL.D., National University.

EARL GREGG SWEM (1920, 1920), *Librarian, Emeritus.* A.B., and M.A., Lafayette College; Litt.D., Hampden-Sydney College; Litt. D., Lafayette College; LL.D., College of William and Mary.

ALBION GUILFORD TAYLOR (1928, 1927), *Chancellor Professor of Political Economy, Emeritus.* A.B., Des Moines University; A.M., University of Nebraska; Ph.D., University of Illinois.

ANTHONY PELZER WAGENER (1929, 1929), *Chancellor Professor of Ancient Languages, Emeritus.* A.B., College of Charleston; Ph.D., Johns Hopkins University.

WILLIAM W. ABBOT¹ (1957, 1953), *Associate Professor of History.* A.B., University of Georgia; M.A. and Ph.D., Duke University.

JOE AGEE (1958, 1958), *Lecturer in Physical Education.* B.S. and M.Ed., College of William and Mary.

CHARLES HARPER ANDERSON (1957, 1946), *Lecturer in Law.* A.B. and B.C.L., College of William and Mary; LL.M., University of Virginia.

*The first date indicates the year when the present rank was attained; the second date the year when the individual was first appointed to the instructional staff. A third date indicates the year of reappointment. All changes in the Faculty that occurred in the session 1958-1959 through February 1, 1959, are included in this list.

¹On leave of absence, 1958-1959.

- JAY D. ANDREWS (1956, 1946), *Lecturer, Virginia Fisheries Laboratory*. B.S., Kansas State College; M.Ph. and Ph.D., University of Wisconsin.
- ALFRED R. ARMSTRONG (1945, 1933), *Associate Professor of Chemistry*. B.S. and M.A., College of William and Mary; Ph.D., University of Virginia.
- THOMAS CONNER ATKESON (1954, 1954), *Professor of Taxation*. B.S., M.S. and Ph.D., Georgetown University.
- ROBERT SYDNOR BAILEY (1956, 1951), *Lecturer, Virginia Fisheries Laboratory*. A.B., Randolph-Macon College; M.A., College of William and Mary.
- BOYDSON H. BAIRD (1957, 1952), *Assistant Professor of Physical Education for Men*. A.B., Maryville College; M.S., Indiana University.
- CHESTER STOYLE BAKER, JR. (1949, 1949), *Law Librarian*. A.B. and B.C.L., College of William and Mary.
- JOSEPH E. BARRETT (1957, 1945, 1945), *Lecturer in Psychology*. M.D., University of Tennessee.
- JOHN T. BALDWIN, JR. (1946, 1946), *Professor of Biology*. A.B., College of William and Mary; Ph.D., University of Virginia.
- JAMES WORTH BANNER (1953, 1949), *Professor of Modern Languages*. B.S., Roanoke College; M.A. and Ph.D., University of North Carolina.
- MARTHA ELIZABETH BARSDALE (1936, 1921), *Associate Professor of Physical Education*. O.D., Gymnastic Peoples College, Ollerup, Denmark; A.B. and M.A., College of William and Mary.
- GRACE J. BLANK (1947, 1931), *Associate Professor of Biology*. A.B., Maryville College; M.S., University of Michigan.
- MORRIS L. BREHMER¹ (1959, 1959), *Lecturer, Virginia Fisheries Laboratory*. B.S., Eastern Illinois University; M.S. and Ph.D., Michigan State University.

¹Appointed, January, 1959.

- PAUL BUCHANAN (1957, 1957), *Lecturer in Fine Arts*. B.S., University; of Virginia.
- RICHARD D. BULLOCK (1958, 1958), *Instructor in English*. A.B. and M.A., University of Georgia.
- WILLIAM L. BURGER (1956, 1956), *Assistant Professor of Biology*. A.B., University of Virginia; M.A., University of Oklahoma.
- MITCHELL A. BYRD (1956, 1956), *Assistant Professor of Biology*. B.S., M.S., and Ph.D., Virginia Polytechnic Institute.
- JAMES M. CAKE, MAJOR ARTY. (1956, 1956), *Assistant Professor of Military Science and Tactics*. B.S., Cornell University.
- EMILY ELEANOR CALKINS (1953, 1927), *Associate Professor of Mathematics*. A.B., College of William and Mary; M.A., University of Michigan.
- DEORE CANNON (1958, 1958), *Associate Professor of Education*. A.B. and M.A., University of Georgia; Ph.D., University of Texas.
- RICHARD GORDON CANHAM (1956, 1956), *Assistant Professor of Chemistry*. B.S., College of William and Mary; M.A., Johns Hopkins University.
- LESTER J. CAPPON (1952, 1952), *Lecturer in History*. A.B. and M.A., University of Wisconsin; M.A. and Ph.D., Harvard University.
- JAMES M. CARSON, Lt. Col. Arty. (1955, 1955), *Professor of Military Science and Tactics*. B.S., The Citadel; M.S., University of South Carolina.
- JAMES DAVID CARTER, JR. (1930, 1927), *Associate Professor of Modern Languages*. A.B., College of William and Mary; Docteur de l'Université de Toulouse.
- BENJAMIN RALPH CATO (1955, 1955), *Assistant Professor of Mathematics*. A.B. and M.A., Duke University.
- WILLIAM B. CHAMBERS, JR. (1957, 1957), *Lecturer in Physical Education*. B.S., College of William and Mary.
- I-KUA CHOU (1953, 1949), *Associate Professor of Government*. LL.B., National Fuh-tan University; M.A. and Ph.D., Fletcher School of Law and Diplomacy.

- GRAVES GLENWOOD CLARK (1958, 1920), *Chancellor Professor of English*. LL.B., Richmond College; A.B., University of Richmond; M.A., Columbia University.
- YERGER H. CLIFTON (1958, 1958), *Instructor in English*. A.B. Duke University; M.A., University of Virginia.
- JAMES LOWRY COGAR (1933, 1933), *Lecturer in History*. A.B., University of Kentucky; M.A., Harvard University.
- JAMES W. COKE (1957, 1957), *Instructor in Modern Languages*. A.B., Western Kentucky State College; M.A., and Ph.D. Indiana University.
- HIBBERT DELL COREY (1943, 1929), *Professor of Economics and Business Administration*. A.B., University of Michigan; M.A., Ohio State University.
- JOSEPH M. CORMACK (1946, 1946), *Professor of Law*. A.B., Northwestern University; LL.B. and J.S.D., Yale University.
- FELIX COSTA¹ (1955, 1955), *Instructor in Physical Education*. B.S., Trinity College; M.Ed., Columbia University.
- JOSEPH R. CROCKER (1958, 1958), *Lecturer in English*. A.B., University of Arkansas; M.A., Washington University.
- FREDERIC R. CROWNFIELD (1957, 1956), *Associate Professor of Physics*. A.B., Harvard University; M.S. and Ph.D., Lehigh University.
- JOSEPH CURTIS (1953, 1948), *Professor of Law*. B.S., LL.B. and LL.M., New York University.
- CHARLES EDWARD DAVIDSON (1958, 1949), *Associate Professor of English*. A.B., Princeton University; M.A. and Ph.D., Yale University.
- MERLE DAVIS (1952, 1952), *Associate Professor of Education*. B.S., Longwood College; M.A., College of William and Mary.
- EDMOND DERRINGE (1957, 1957), *Lecturer in Physical Education*. B.S., Georgetown University; M.Ed., College of William and Mary.

¹On leave of absence, 1958-1959.

- FRANK C. DESUA (1958, 1958), *Associate Professor of Mathematics*; B.S. and Ph.D., University of Pittsburgh.
- BIRDENA E. DONALDSON (1956, 1956), *Dean of Women and Associate Professor of History*. B.A., Franklin College; M.A., Northwestern University; Ed.D., Columbia University.
- ALBERT PETTIGREW ELLIOTT (1957, 1957), *Lecturer in English*. A.B. and M.A., College of William and Mary; M.A., University of North Carolina; Ph.D., University of Pennsylvania.
- RONALD EMMA (1958, 1954), *Instructor in English*. A.B., College of the City of New York; M.A., Duke University.
- FRED A. ENGLE (1957, 1957), *Assistant Professor of Business Administration*. B.S., Eastern Kentucky State College; M.B.A., University of Kentucky.
- FRANK BROOKE EVANS, III (1949, 1947), *Associate Professor of English*. A.B., Amherst College; M.A. and Ph.D., Princeton University.
- CARL A. FEHR (1951, 1945), *Associate Professor of Music*. A.B. and M.A., University of Texas; M.Mus., University of Michigan; Ed.D., Columbia University.
- EDWIN E. FLATH (1958, 1958), *Lecturer in Music*. B.Mus. and M.Mus., Syracuse University.
- DONALD MADISON FOERSTER (1950, 1948), *Associate Professor of English*. A.B., University of Iowa; Ph.D., Yale University.
- CHARLES R. FOSTER (1957, 1957), *Acting Assistant Professor of Government*. A.B., Harvard; M.A., Stanford University.
- LEWIS A. FOSTER, JR. (1958, 1954, 1955), *Assistant Professor of Philosophy*. A.B. and M.A., University of Virginia.
- HAROLD LEES FOWLER (1946, 1934), *Professor of History*. A.B., Dartmouth College; M.A. and Ph.D., Harvard University.
- MORTON J. FRISCH (1953, 1953), *Assistant Professor of Government*. A.B., Roosevelt College; M.S., University of Chicago; Ph.D., Pennsylvania State University.
- ARMAND J. GALFO (1958, 1958), *Assistant Professor of Education*. A.B., M.Ed. and Ed.D., University of Buffalo.

- WAYNE FULTON GIBBS (1931, 1926), *Professor of Accountancy*. B.S. and M.S., University of Illinois; C.P.A.
- ROBERT GILL (1956, 1956), *Lecturer in Physical Education*. B.S. and M.A., College of William and Mary.
- LEON GOLDEN (1958, 1958), *Instructor in Ancient and Modern Languages*. A.B., M.A. and Ph.D., University of Chicago.
- PAUL L. GOODFRIEND (1958, 1958), *Assistant Professor of Chemistry*. B.S., University of Virginia; Ph.D., Georgia Tech.
- HARRY R. GROVES (1956, 1956), *Lecturer in Physical Education*. B.S., Temple University; M.Ed., College of William and Mary.
- WILLIAM GEORGE GUY (1930, 1925), *Chancellor Professor of Chemistry*. B.Sc. and A.B., Mt. Allison University, Canada; A.B., Oxford University, England; Ph.D., University of Chicago.
- PETER M. GUTHRIE (1955, 1955), *Assistant Professor of Psychology*. B.S., University of Washington; M.S., Brown University.
- ALBERT E. HAAK (1952, 1947), *Assistant Professor of Fine Arts*. A.B., Lawrence College; M.A., College of William and Mary.
- ANDREW C. HAIGH (1958, 1944), *Professor of Music*. A.B., University of Michigan; M.A. and Ph.D., Harvard University.
- MICHAEL G. HALL (1956, 1956), *Instructor in History*. A.B., Princeton University; Ph.D., Johns Hopkins University.
- MARGARET HAMILTON¹ (1953, 1953), *Assistant Professor of Government*. A.B., University of Michigan; M.A., Columbia University.
- EUGENE RAE HARCUM (1958, 1958), *Assistant Professor of Psychology*. B.S., College of William and Mary; M.A., Johns Hopkins University; Ph.D., University of Michigan.
- WILLIAM J. HARGIS, JR. (1955, 1955), *Lecturer, Virginia Fisheries Laboratory*. A.B. and M.A., University of Richmond; Ph.D., Florida State University.

¹On leave of absence, 1958-1959.

- BRYANT HARRELL (1958, 1956), *Associate Professor of Chemistry*. B.S., Randolph-Macon College; M.A. and Ph.D., Johns Hopkins University.
- RUSSELL T. HASTINGS (1958, 1958), *Instructor in Fine Arts*. B.F.A., Washington University; M.F.A., Yale University.
- CHARLES R. HAYWARD (1958, 1958), *Instructor in Psychology*. A.B., Harvard.
- BEN A. HAMMACK (1958, 1958), *Lecturer in Psychology*. B.A., University of Texas.
- THOMAS J. HEMMENS (1958, 1958), *Instructor in English*. A.B., University of Illinois; M.A., University of Arkansas.
- DONALD J. HERRMANN (1955, 1951), *Associate Professor of Education*. B.E., Northern Illinois State Teachers College; M.A. and Ph.D., Michigan State College.
- ROBERT D. HIGGINBOTHAM (1958, 1958), *Acting Assistant Professor of History*. B.S. and M.A., Washington University (St. Louis).
- ABRAHAM HIRSCH (1955, 1948), *Associate Professor of Economics*. B.B.A., City College of New York; M.A., and Ph.D., Columbia University.
- EDWARD LEWIS HOFFMAN (1947, 1947), *Assistant Professor of Modern Languages*. B.S., Roanoke College; M.A., George Washington University.
- HOWARD K. HOLLAND (1958, 1948), *Professor of Education*. A. B., M.A. and Ph.D., University of Michigan.
- ALTHEA HUNT (1955, 1926), *Professor of Fine Arts*. A.B., Allegheny College; M.A., Radcliffe College; Litt.D., Allegheny College.
- DAVID C. JENKINS (1958, 1956), *Assistant Professor of English*. B.A. and M.A., University of Alabama; Ph.D., State University of Iowa.
- DUDLEY JENSEN (1955, 1951), *Assistant Professor of Physical Education*. B.S., Springfield College; M.A., Teachers College, Columbia University.

- LUDWELL H. JOHNSON (1958, 1958), *Assistant Professor of History*. A.B. and Ph.D., Johns Hopkins University.
- W. MELVILLE JONES (1953, 1928), *Professor of English*. A.B., Allegheny College; M.A., Ohio State University; Ph.D., Harvard University.
- ALEXANDER KALLOS (1953, 1949), *Assistant Professor of Modern Languages*. S.C.L., Vienna Commercial Academy; M.A. and Ph.D., University of Pennsylvania.
- ROBERT L. KERNELL (1958, 1958), *Assistant Professor of Physics*. A.B., Wofford College, M.S., University of South Carolina.
- R. WAYNE KERNOLDE (1953, 1945), *Professor of Sociology and Anthropology*. A.B., M.A. and Ph.D., University of North Carolina.
- ALGIN B. KING (1956, 1956), *Associate Professor of Business Administration*. B.A., University of South Carolina; M.S., New York University.
- REINO KORPI (1952, 1947), *Associate Professor of Modern Languages*. A.B., Clark University; M.A., University of Wisconsin.
- J. WILFRED LAMBERT (1949, 1931), *Associate Professor of Psychology*. A.B., College of William and Mary.
- JOSEPH R. LEE (1953, 1953), *Associate Professor of Mathematics*. A.B., M.A. and Ph.D., Yale University.
- LAWRENCE C. LEONARD (1957, 1955), *Lecturer in Mathematics*. B.S., U. S. Military Academy.
- JOHN H. LONG (1955, 1955), *Assistant Professor of Physics*. B.S., U. S. Naval Academy; M.S., Harvard University.
- EDRIL LOTT (1954, 1950), *Assistant Professor of Secretarial Science*. A.B., Mississippi State College for Women; M.A., Mississippi Southern.

- CHARLES R. McCANDLESS (1957, 1957), *Lecturer in Music*. B.A., Carnegie Institute of Technology; M.A., Teachers College, Columbia.
- CARL W. McCARTHA (1955, 1955), *Associate Professor of Education*. B.S., Newberry College; M.A., University of North Carolina; Ed.D., University of Florida.
- BEN CLYDE McCARY (1930, 1930), *Associate Professor of Modern Languages*. A.B., University of Richmond; Docteur de l'Université de Toulouse.
- DONALD L. McCONKEY (1958, 1954), *Assistant Professor of Speech*. B.S. in Education, Illinois State Normal University; M.A., Ohio State University.
- CECIL M. McCULLEY (1957, 1948), *Associate Professor of English*. A.B. and M.A., Southern Methodist University; Ph.D., Columbia University.
- BRUCE T. McCULLY (1947, 1940), *Associate Professor of History*. A.B., Rutgers University; M.A. and Ph.D., Columbia University.
- JOHN L. McHUGH (1951, 1951),¹ *Professor of Marine Biology, Virginia Fisheries Laboratory*. A.B. and M.A., University of British Columbia; Ph.D., University of California.
- JOHN L. McKNIGHT (1958, 1957), *Associate Professor of Physics*. A.B., University of Michigan; M.S. and Ph.D., Yale University.
- ROBERT McMURRY (1957, 1957), *Assistant Professor of Education*. B.S. and M.S., Youngstown University.
- FRANK A. MacDONALD (1955, 1955), *Professor of Philosophy*. A.B. and M.A., College of William and Mary; M.A., Harvard University.
- GRACE E. MATZ (1956, 1956), *Instructor in Physical Education for Women*. B.S., Madison College; M.S., University of Illinois.

¹Resigned, January, 1959.

- THELMA MILLER (1957, 1954), *Assistant Professor of Home Economics*. A.B., Berea College; M.S., University of Tennessee.
- JACK MONTAGUE, Captain Arty. (1957, 1957), *Assistant Professor of Military Science and Tactics*. B.S., United States Military Academy.
- JOHN A. MOORE (1954, 1950), *Assistant Professor of Modern Languages*. B.S., Davidson College; M.A. and Ph.D., University of North Carolina.
- RICHARD LEE MORTON (1921, 1919), *Professor of History*. A.B., Hampden-Sydney College; M.A., University of Virginia and Harvard University; Ph.D., University of Virginia; Litt.D., Hampden-Sydney College.
- WILLIAM WARNER MOSS, JR. (1937, 1937), *John Marshall Professor of Government and Citizenship*. A.B., University of Richmond; M.A. and Ph.D., Columbia University.
- FRASER NEIMAN (1958, 1938), *Professor of English*. A.B., Amherst College; M.A. and Ph.D., Harvard University.
- RICHARD K. NEWMAN (1954, 1946), *Associate Professor of Fine Arts*. A.B., Dartmouth College; Ph.D., Yale University.
- DAVE NUSZ (1958, 1958), *Lecturer in Physical Education*. B.S., University of Maryland.
- GEORGE J. OLIVER (1945, 1945), *Professor of Education*. A.B., College of William and Mary; M.A. and Ph.D., Columbia University.
- PIERRE C. OUSTINOFF (1958, 1953), *Professor of Modern Languages*. A.B., Bard College; M.A. and Ph.D., Columbia University.
- CLIFFORD F. OWEN (1958, 1958), *Associate Professor of Economics*. A.B., Jesus College, Oxford; M.A., and Ph.D., University of Toronto.
- STEPHEN P. PALEDES (1954, 1954), *Instructor in Music*. A.B., American University; Julliard School of Music.

- ARTHUR WARREN PHELPS (1945, 1945), *Professor of Law*. A.B., Washington and Lee University; M.A., Ohio State University; LL.B., University of Cincinnati; LL.M., Columbia University.
- GLENN A. PEARCE (1958, 1958), *Lecturer in Philosophy*. A.B., College of William and Mary.
- MELVIN A. PITTMAN (1955, 1955), *Professor of Physics*. B.S., The Citadel; M.S., University of South Carolina; Ph.D., Johns Hopkins University.
- WILLIAM PRINCE (1957, 1956), *Lecturer in Law*. A.B. and B.C.L., College of William and Mary.
- JOHN S. QUINN (1954, 1949, 1956), *Associate Professor of Business Administration*. B.S., State Teachers College, Salem, Massachusetts; M.C.S., Boston University; M.B.A., Harvard Business School; C.P.A.
- MARCEL REBOUSSIN (1951, 1946), *Associate Professor of Modern Languages*. Professorat de francais, Ecole Normale Supérieure de St. Cloud; M.A., Columbia University; Agrégé des lettres, Sorbonne, Paris.
- MARION DALE REEDER (1952, 1943), *Associate Professor of Physical Education*. B.S. and M.S., University of Illinois.
- IRA REISS (1955, 1955), *Assistant Professor of Sociology and Anthropology*. B.S., Syracuse University; M.A. and Ph.D., Pennsylvania State University.
- EDWIN RHYNE (1957, 1954), *Assistant Professor of Sociology and Anthropology*. B.S., Clemson College; M.A., University of North Carolina.
- GORDON B. RINGGOLD (1957, 1946), *Associate Professor of Modern Languages*. A.B., Denison University; M.A., Middlebury College; Ph.D., Georgetown University.
- NICOLETTE PERNOT RINGGOLD (1958, 1958), *Lecturer in Modern Languages*. Licenciée-ès-lettres, University of Paris, France.
- CARL ROSENBERG (1957, 1947), *Associate Professor of Fine Arts*. B.F.A. and M.F.A., State University of Iowa.





- GEORGE J. RYAN (1945, 1935), *Professor of Ancient Languages*. A.B. and M.A., Saint Louis University; Ph.D., University of Michigan.
- ANTHONY L. SANCETTA (1953, 1948), *Associate Professor of Economics*. A.B., Western Reserve University; M.S. and Ph.D., Columbia University.
- JOYCE SANCETTA (1957, 1957), *Lecturer in English*. B.A., College of Wooster; Ph.D., Yale University.
- HOWARD M. SCAMMON (1958, 1948), *Associate Professor of Fine Arts*. A.B., College of William and Mary; M.A., Northwestern University.
- TALBOT SELBY (1958, 1958), *Associate Professor of Ancient Languages*. A.B., M.A. and Ph.D., University of North Carolina.
- JAMES A. SERVIES (1957, 1953), *Librarian*. Ph.B. and M.A., University of Chicago.
- JOANN SLAUGHTER (1958, 1958), *Instructor in English*. A.B., Central College, Missouri; M.A., University of Arkansas.
- HOWARD M. SMITH, JR. (1953, 1946), *Associate Professor of Physical Education*. B.S., College of William and Mary; M.A., Syracuse University.
- JAMES MORTON SMITH (1956, 1945), *Lecturer in History*. B.Ed., Southern Illinois University; M.A., University of Oklahoma; Ph.D., Cornell University.
- LEROY W. SMITH (1956, 1956), *Assistant Professor of English*. B.A., American University; M.A., George Washington University; Ph.D., Duke University.
- ROBERT E. SMITH (1946, 1946), *Associate Professor of Mathematics*. A.B., Allegheny College; M.A., University of North Carolina.
- SHIRLEY DONALD SOUTHWORTH (1928, 1927), *Professor of Economics*. A.B., M.A. and Ph.D., Princeton University.
- BERNICE M. SPEESE (1952, 1946), *Assistant Professor of Biology*. B.S. and M.A., College of William and Mary; Ph.D., University of Virginia.

- ALAN C. STEWART (1952, 1944), *Associate Professor of Music*. A.B., Union College; M.A., Columbia University.
- MARIAN L. STOERKER (1956, 1956), *Instructor in Physical Education for Women*. B.S., Lindenwood College; M.S., University of Wisconsin.
- HOWARD STONE (1952, 1948), *Associate Professor of Modern Languages*. A.B., Pomona College; M.A., Claremont Colleges; Ph.D., University of California.
- ELIZABETH STUCKY (1955, 1955), *Assistant Professor of Philosophy*. A.B., Butler University; M.A., Florida State University; Ph.D., Duke University.
- WILLIAM F. SWINDLER (1958, 1958), *Professor of Legal History*. A.B. and B.S., Washington University (St. Louis); M.A., Ph.D., University of Missouri; LL.B., University of Nebraska.
- LOUIS F. THOMPSON (1958, 1958), *Assistant Professor of English*. A.B., Columbia University; M.A., Lehigh University.
- THOMAS THORNE (1945, 1940), *Associate Professor of Fine Arts*. B.F.A., Yale University; Fellow, International Institute of Arts and Letters.
- LAWRENCE W. TOWNER (1955, 1955), *Associate Professor of History*. A.B., Cornell College; M.A. and Ph.D., Northwestern University.
- LOUIS L. TUCKER (1958, 1958), *Instructor in History*. A.B., M.A. and Ph.D., University of Washington (State).
- WILLARD A. VAN ENGEL (1950, 1946), *Lecturer, Virginia Fisheries Laboratory*. B.Ph. and M.Ph., University of Wisconsin.
- CHARLES R. VARNER (1958, 1953), *Associate Professor of Music*. B.M.E. and M.M., Northwestern University.
- GLADYS WARREN (1955, 1955), *Instructor in Physical Education*. A.B., Randolph-Macon Woman's College; M.A., Sarah Lawrence College.

- HAROLD A. WATERS (1957, 1955), *Assistant Professor of Modern Languages*. A.B., Harvard University; M.A. and Ph.D., University of Washington.
- EDWIN W. WEBBER (1958, 1958), *Assistant Professor of Government*. A.B. and M.A., University of Maine.
- JAMES P. WHYTE (1958, 1958), *Professor of Law*. A.B., Bucknell University; M.A., Syracuse University; LL.B., University of Colorado.
- ALMA WILKIN (1957, 1928), *Associate Professor of Home Economics*. B.S., Kansas State Agricultural College; M.A., Teachers College, Columbia University.
- STANLEY WILLIAMS (1948, 1948), *Professor of Psychology*. A.B. and M.A., University of California, Los Angeles; Ph.D., Yale University.
- MALCOLM WILLISON (1959, 1959),¹ *Acting Instructor in Sociology and Anthropology*. B.A., Swarthmore College; M.A., Cornell University.
- DUDLEY WARNER WOODBRIDGE (1932, 1927), *Chancellor Professor of Law*. A.B. and J.D., University of Illinois.
- CHARLES M. WOODLIFF (1958, 1958), *Assistant Professor of Fine Arts*. B.S., Wisconsin State University; M.S., Syracuse University.
- ROBERT C. YATES (1955, 1955), *Professor of Mathematics*. B.S., Virginia Military Institute; A.B., Washington and Lee University; M.A. and Ph.D., Johns Hopkins University.

¹Second Semester, 1958-1959.

Supervisors of Teacher-Training

- JESSE RAWLES BYRD (1928), *Superintendent of Williamsburg-James City County Schools*. A.B., College of William and Mary; A.M., Columbia University.
- GEORGE C. PITTS, JR. (1937), *Principal, James Blair High School*. B.S. and M.Ed., College of William and Mary.
- JEANNE ETHERIDGE (1931), *Principal, The Matthew Whaley School*. A.B. and M.Ed., College of William and Mary.
- MAXIE ACREE (1926), *Elementary School*. Mary Washington College.
- DOROTHY W. ANDERSON (1958), *Elementary School*. M.A., New York University; B.A., Queen's University.
- JAMES SHANK ANGLE (1958), *Seventh Grade*. A.B., College of William and Mary.
- ESTHER M. BATCHELDER (1956), *Home Economics*. B.S., Cornell University.
- LILLIAN M. BAZZLE (1954), *Girls' Physical Education*. B.S., Concord College; M.S., West Virginia University.
- BETTY JANE BENTZ (1957), *Elementary School*. B.S., Madison College.
- M. KAY BOATRIGHT (1958), *Distributive Education*. B.S. in D.E., Richmond Professional Institute.
- MARJORIE L. BROWN (1957), *Latin*. A.B., College of William and Mary.
- MARJORIE I. BROWNING (1950), *Science*. B.S., College of William and Mary; A.M., University of Virginia.
- GENELLE CALDWELL (1940), *French, Latin*. A.B. and A.M., College of William and Mary.
- JUDITH B. CARTER (1953), *Librarian*. A.B., College of William and Mary.

- BETTY R. CHAMBERS (1958), *Elementary School*, B.S., Madison College.
- MARY WALL CHRISTIAN (1931), *Elementary School*. A.B., College of William and Mary.
- WALTER L. COX, JR. (1958), *Industrial Arts*. B.S., East Carolina College.
- MARTHA D. COULLING (1938), *Elementary School*. B.S. and M.A., George Peabody College for Teachers.
- MARY S. COULLING (1953), *Elementary School*. B.S. and M.A., George Peabody College for Teachers.
- MARY W. COWLES (1955), *Commercial*. B.S., Radford College.
- KATHLEEN L. DICKERSON (1957), *Elementary School*. A.B., University of Kansas City.
- CARRA DILLARD (1942), *Language Arts, Social Studies, Mathematics*. A.B., Randolph-Macon Woman's College; A.M., College of William and Mary.
- DOROTHY ANN FINK (1952), *Elementary School*. B.S., North Adams Teachers College; A.M., College of William and Mary.
- RAYMOND FRANCIS FREED, JR. (1950), *Social Studies, Mathematics*. A.B., College of William and Mary.
- ROSE MARIE FULLER (1954), *Elementary School*. George Peabody College for Teachers.
- FRANCES R. FULWIDER (1958), *Elementary School*. B.S. in Ed., Madison College.
- TRITTIE W. GEDDY (1955), *Language Arts*. A.B., College of William and Mary.
- FAY R. GNAGEY (1958), *Elementary School*. B.S., Frostburg State Teachers College.
- PATSY CLARK GODFREY (1958), *Elementary School*. A.B., College of William and Mary.

- EUNICE HALL (1930), *Language Arts, Social Studies*. A.B., College of William and Mary; A.M., Columbia University.
- BETTY EDWARDS HAMILTON (1958), *Elementary School*. A.B., College of William and Mary.
- THOMAS H. HAMILTON (1958), *Physical Education*. B.S., College of William and Mary.
- HELEN B. HARBOUR (1956), *Seventh Grade*. B.S., Alabama State Teachers College.
- WALLACE L. HARRISON (1951), *Language Arts, Social Studies*. A.B., College of William and Mary; A.M., University of Pennsylvania.
- ANNA P. HENDERSON (1956), *Elementary School*. A.B., College of William and Mary.
- ELIZABETH T. HERBERTSON (1954), *Fine Arts*. B.S., Edinboro State Teachers College; A.M., George Peabody College for Teachers.
- EDNA M. HOCKADAY (1953), *Seventh Grade*. A.B. and M.Ed., College of William and Mary.
- MABEL O. HOWES (1951), *Elementary School*. A.B., Glenville State College.
- SPOTSWOOD HUNNICUTT (1947), *Language Arts, Social Studies*. A.B., Longwood College; A.M., College of William and Mary.
- JUNE H. IANNUZZI (1957), *Librarian*. B.A., Madison College.
- JOHN P. JAMES (1958), *Seventh Grade*. B.A., Roanoke College.
- ANNA K. JAYNE (1955), *Elementary School*. New Paltz State Teachers College.
- CHARLES H. LAUCK, JR. (1956), *Algebra, Geometry*. A.B. and B.S., Washington and Lee University; M.Ed., University of Virginia.
- JOHN B. LEFFEL, JR. (1958), *Science*. B.S., College of William and Mary.
- NANCY L. LENZ (1957), *Language Arts*. B.A., Longwood College.
- JOHN P. LUNGER (1956), *Mathematics*. B.S., United States Naval Academy.

- CHARLES R. McCANDLESS (1956), *Band, Music*. B.A., Carnegie Institute of Technology; M.A., Columbia University.
- MILDRED MATIER (1930), *Language Arts*. A.B. and A.M., College of William and Mary.
- KENNETH RAYMOND MATTHEWS (1958), *Elementary School*. B.S., College of William and Mary.
- MICHAEL MENDALOFF (1956), *Social Studies*. A.B., Lenoir-Rhyne College.
- VIRGINIA MEPHAM (1944), *Elementary School*. B.S., Madison College.
- ELSIE G. MITCHELL (1957), *Elementary School*. Livingstone State College.
- JAMES M. MIXSON (1957), *Seventh Grade*. College of William and Mary.
- BEATRICE M. NEAL (1958), *Elementary School*. B.S. in Ed., Miami University.
- ELIZABETH NUNN (1944), *Elementary School*. B.S., Madison College.
- MARY LUCILE PARKER (1958), *Elementary School*. A.B., Coker College.
- JUANITA L. PHILLIPS (1956), *Mathematics*. A.B., Mississippi State College for Women.
- KATHERINE S. PITMAN (1955), *Elementary School*. B.S., Madison College.
- ANNE HANNEGAN PRINCE (1958), *Elementary School*. A.B., College of William and Mary.
- SYLVIA REBOUSSIN (1947), *Elementary School*. A.B. and A.M., Columbia University.
- THERESA S. RUNYANS (1956), *Elementary School*. B.S., Northeastern State College.
- GEORGE L. SPAULDING, JR. (1958), *General Science, Coaching*. B.S. in Ed., Morris Harvey College.

MARY R. TINKHAM (1955), *Elementary School*. B.S., College of William and Mary.

MARY BABB VENABLE (1958), *Music, Elementary School*. B.M.E., Richmond Professional Institute.

JUDITH PENNEL WATSON (1958), *Elementary School*. A.B., College of William and Mary.

Library Staff

JAMES ALBERT SERVIES (1957, 1953), *Librarian*. Ph.B. and A.M., University of Chicago.

MARGARET SANGSTER GALPHIN (1951, 1931), *Acquisitions Librarian*. A.B., Tift College; B.S. in Library Science, Columbia University.

HERBERT LAWRENCE GANTER (1950, 1940, 1948), *Archivist*. A.B. and B.C.L., College of William and Mary.

FRANCES H. MOLTENBERRY (1958, 1958), *Reference Librarian*. A.B., Western Kentucky State College; M.A. in Library Science, Emory University.

RACHEL DURHAM ALDRICH (1958, 1958), *Cataloging Librarian*. B.Ed., Plymouth Teachers College; B.S. in Library Science, Simmons College.

CHESTER STOYLE BAKER, JR. (1949, 1949), *Law Librarian*. A.B. and B.C.L., College of William and Mary.

MILDRED S. MILLER (1957, 1957), *Periodicals Librarian*. A.B., Texas Woman's College.

Health Service Staff

ROBERT E. DEBORD, M.D. *College Physician*

SUE M. HARTSFIELD, R.N. *Head Nurse*

MRS. CHARLES CHANDLER, R.N. *Nurse*

MRS. BETTYE BRACEY, R. N. *Nurse*

MRS. ALBERT CROW *Nurse*

Committees of the Faculty

Academic Status: LAMBERT (Chairman), CURTIS, DONALDSON, DURRETT, GUTHRIE, JONES.

Admissions: LAMBERT (Chairman), BLANK, BRIGHT, CALKINS, CUNNINGHAM, DONALDSON, DURRETT, L. FOSTER, FOWLER, HOLLAND, LEE, C. McCULLEY, MOORE, PITTMAN, ROSEBERG.

Athletics (Men): OLIVER (Chairman), CARTER, DURRETT, GIBBS, LEE.

Athletics (Women): REEDER (Chairman), BARKSDALE, J. KING.

**Curriculum:* MACDONALD (Chairman), HIRSCH, PITTMAN, RINGGOLD, RHYNE, H. SMITH, YATES.

†*Degrees:* JONES (Chairman), CALKINS, GUTHRIE, B. McCULLY, OUSTINOFF, QUINN, STEARNS (Secretary).

Discipline: LAMBERT (Chairman), DONALDSON, DURRETT, QUINN, WOODBRIDGE.

Drapers' Company Exchange Scholarship: LAMBERT (Chairman), DONALDSON, DURRETT, GUY, JONES, J. KING, OWEN.

Exeter Exchange Scholarship: GUY (Chairman), DONALDSON, DURRETT, JONES, J. KING, LAMBERT.

**Faculty Advisory Council:* MORTON (Chairman), ARMSTRONG, COREY, HAIGH, HERRMANN, JONES, MOSS, WILLIAMS.

Foreign Students and Foreign Study: BANNER, BARKSDALE, GUY, LONG, REBOUSSIN.

Graduate Studies: JONES (Chairman), CLARK, McHUGH, OLIVER, TOWNER (Secretary), WILLIAMS.

*Elected by the Faculty.

†Elected by Faculty except the Chairman, who is appointed by the President.

**Honorary Degrees:* ATKESON (Chairman), ARMSTRONG, BALDWIN.

Lectures, Arts and Music: NEIMAN (Chairman), HAAK, HARRELL, REEDER, STEWART, THORNE.

Library: FOERSTER (Chairman), ARMSTRONG, MCCARTHA, MORTON, NEWMAN, SANCETTA, SERVIES, STONE.

**Nominating Committee:* HOLLAND (Chairman), GUY, KERNODLE, NEIMAN, NEWMAN, R. E. SMITH.

Opportunities for Graduate Study: JONES (Chairman), ARMSTRONG, EVANS, HOLLAND, KERNODLE, WILLIAMS.

Placement: PHELPS (Chairman), BRIGHT (Secretary), COREY.

Pre-Engineering and M.I.T. Students: PITTMAN (Chairman), DURRETT, GUY, LAMBERT, YATES.

Pre-Medical Students: BALDWIN (Chairman), GUY, LAMBERT.

Prizes and Special Awards: JONES (General Chairman); Boteourt Medal: CATO, COREY, DONALDSON, DURRETT, LAMBERT; Carr Cup: DURRETT, H. SMITH (also two additional members, one each to be named by the Senior and Junior Classes); Sullivan Awards: CLARK, COREY, DONALDSON, DURRETT, J. KING, LAMBERT.

Representatives to General Cooperative Committee: BYRD, DONALDSON, DURRETT, A. B., KING, J. KING, LAMBERT, OLIVER, RINGGOLD.

Research Funds: JONES (Chairman), ARMSTRONG, EVANS, HOLLAND, KERNODLE.

Scholarships and Student Employment: KORPI (Chairman), ATKESON, BRIGHT (Secretary), COREY, GIBBS, HERRMANN.

Special Events: ROSEBERG (Chairman), BALDWIN, KALLOS, C. McCULLEY, MOORE.

*Elected by the Faculty.

Committees of the Faculty

43

Students' Activities Fee: LAMBERT (Chairman), HARCUM, C. McCULLEY, QUINN, WHYTE.

Students' Recreation: H. SMITH (Chairman), DONALDSON, DURRETT, LEE, VARNER, WILKIN.

Student Religious Activities: CANHAM (General Chairman);
Chapel: CATO, FEHR, L. FOSTER, JENSEN, A. KING, WARREN;
General Activities: CLARK, DAVIDSON, HAIGH, HOLLAND,
R. E. SMITH, VARNER.

NOTE: The President of the College is *ex-officio* member of all committees.

COLLEGE CAMPUS AND BUILDINGS

THE COLLEGE CAMPUS, comprising approximately 1,200 acres of land, extends from the western edge of the restored area of Colonial Williamsburg to picturesque Lake Matoaka, which is surrounded by an extensive stretch of beautifully wooded land known as the College Woods. The main part of the campus lies at the apex of a triangle formed by Jamestown and Richmond Roads where they converge at the western end of the Duke of Gloucester Street.

In the front of the triangle, facing the Duke of Gloucester Street, is the ancient elm-shaded campus with its three original buildings: the *Sir Christopher Wren Building*, the foundation for which was laid in 1695; *The Brafferton*, constructed in 1723; and *The President's House*, erected in 1732. The three pre-Revolutionary masterpieces were restored (1928-32) through the generosity of John D. Rockefeller, Jr.

The stately Wren Building is the oldest academic structure in the United States. Although thrice burned and twice submerged by the tides of war, its classrooms are still in regular use. The chapel, or south wing, was built in 1732. On its walls are tablets in memory of former presidents and alumni. The north wing contains the Great Hall, where early students and faculty took their meals. East of the Wren Building and facing each other are *The Brafferton* and *The President's House*. Built in 1723 to house an Indian School, *The Brafferton* now contains the alumni office and rooms for guests of the College. *The President's House* has been since its erection in 1732 the residence of the successive presidents of the College.

Behind the Wren Building and extending to the College Woods is the new campus. Through the center of this campus runs a wide sunken garden, lined on two sides with a heavy growth of boxwood. On the north side of the garden are the *Library*, the *William Barton Rogers Science Hall* (1927), and *Marshall-Wythe Hall* (1935). On the south side are *Ewell Hall* (1926, reconstructed 1958) and *Washington Hall* (1928).

On the northern edge of the campus along Richmond Road are the *George Preston Blow Gymnasium* (1924, enlarged 1941), and three men's dormitories. *Monroe Hall* and *Old Dominion Hall* accommodate 160 and 190 men respectively. Slightly to the north-west is *Bryan Hall* (1953), accommodating 216 men; a section of this dormitory also houses the Marshall-Wythe School of Law. *Cary Field Park*, the college stadium, with a seating capacity of 15,000 is located in this section.

On the southern side of the campus along Jamestown Road are four dormitories for women: *Jefferson Hall* (1920), which houses 115 women, *Kate Waller Barrett Hall* (1927), which houses 164, *Chandler Hall* (1931), which houses 138, and *Landrum Hall* (1958), which houses 217.

Across Jamestown Road are *Tyler Hall* (1916, reconstructed 1951), a dormitory for men; the *David J. King Infirmary*; *Trinkle Hall*, containing the dining hall, cafeterias, and soda shop; the *College Laundry* and *Power Plant*; the *Fine Arts Building*; and *Taliaferro Hall* (1935), a dormitory for men.

One block northeast of the main campus is *Brown Hall*, a dormitory for men. Across Richmond Road and north of the main campus are nine college-owned residences occupied by the nine sororities. On the edge of the College Woods to the west of the campus are eleven lodges which are rented to the several social fraternities. On the extreme west campus are the college tennis courts and the women's playing fields. Beyond these and facing on Jamestown Road is the new *Phi Beta Kappa Hall*, completed in the spring of 1957, which contains a theatre auditorium and spaces for cultural exhibits.

The Library

The main library, as of July 1, 1958, contained 265,842 catalogued volumes¹. The books are classified according to the Dewey Decimal System with variation in special classes. Additional resources of the library include 144,248 government documents; 54,462 books and pamphlets in special collections; and 2,679 volumes administered for the State Board of Education.

¹The library holdings of the College also include more than 543,844 manuscripts, prints, maps, musical records, and newspapers before 1900. The total library holdings number 1,011,075.

The number of different periodicals and newspapers regularly received is 1,027.

With the exception of the rare book collection and materials in storage, the volumes in the library are on open shelves and easily accessible to all students and members of the faculty. Students are privileged to go freely into the stack rooms to select the books they need or to browse at leisure.

The library is open Monday through Friday: 8 a.m. to 5:30 p.m., 6:30 to 10 p.m.; Saturday: 8 a.m. to 5 p.m.; Sunday: 2 to 5 p.m., 7 to 10 p.m. A student may borrow as many books at one time as he wishes. The privilege of borrowing books is granted to residents of Williamsburg and the adjoining counties; to military personnel stationed on the Peninsula; to members of the staff of Colonial National Historical Park at Jamestown and Yorktown, and to the staff of Colonial Williamsburg, Inc. When out-of-print material cannot be supplied from the library collection, interlibrary loans are requested for graduate students and faculty members. In order to facilitate its use by new students, a lecture on the library is given to sections of each freshman class.

The Law Library in Bryan Hall basement numbers approximately 25,821 volumes, and during the regular session is open, with slight variations, the same hours as the main library.

The reserve book collection, on the second floor, is open during the regular library hours; it contains about 5,000 volumes, which are changed each semester as the courses require. There are two departmental collections in special rooms which are open at special hours: the Education Library in Washington Hall, and the Chemistry Library in Rogers Hall.

Association books owned and used by distinguished Virginians now number more than 1,250 volumes. In this group, the volumes belonging to each of certain families have been kept together to exemplify the culture of the early planter families. The following family groups are noteworthy: Landon Carter, Francis Jerdone, St. George Tucker, William and Peyton Short, and John Tayloe. More than 500 books owned and used by William and Mary students before 1888 have been assembled; these illustrate the curricula of two centuries.

The collection of manuscripts, a portion of which has been arranged and catalogued by means of a grant from the General Education Board, touches Virginia life of three centuries. Worthy

of special mention are representative letters of such distinguished Virginians as George Washington, John Marshall, Thomas Jefferson, James Monroe, John Tyler, James Madison, George Mason, William B. Taliaferro, and Joseph E. Johnston. As part of the collection, there are 2,000 ledgers, journals, letter books, diaries, account books and note books. Of prime importance is the collection of letters, documents, and accounts of officials, professors, and students of the College of William and Mary, to which notable additions are being made periodically.

The library is fortunate in receiving each year many gifts of books, from friends, alumni, members of the faculty, and students. These are always welcomed. The library houses two gifts established by the Friends of the College: the Memorial Book Shelf of currently published volumes to commemorate students and members of the faculty who lost their lives in World War II, and a lending library of musical recordings.

STUDENT LIFE

THE NATURAL FRIENDLINESS which exists at William and Mary is the distinctive characteristic of the daily life of the campus. The College seeks to foster intellectual interests, cultural appreciation, and a democratic spirit among its students. As the College is chiefly a resident college, students and faculty comprise a closely knit community in which extra-curricular and social activities play a considerable role in the cultural and intellectual development of the individual. The informal relationship between teacher and student serves to encourage the process of living and learning together. The College believes that one of its major purposes should be to inculcate by means of the several phases of college life the ideals of self-responsibility and good campus citizenship.

The new student at William and Mary is introduced to this life and atmosphere during the orientation period which takes place immediately before the beginning of classes in September. During this period, the honor system, one of William and Mary's contributions to American education, is explained; the student's academic program is planned under the guidance of a faculty counselor; and historic Williamsburg, the restored Colonial city, is explored through the cooperative hospitality of Colonial Williamsburg. Thus the new student becomes an integral part of a great institution of learning, making new friends among members of his own and other classes, the faculty, and administrative officers.

Naturally and imperceptibly the student becomes a part of the democratic life of William and Mary, which encourages the exchange of friendly greetings with other students, members of the faculty, and visitors to the College. This spirit permeates the classroom as well; for the new student finds his instructors and the administrative staff ready and willing to assist him through their experience and human understanding.

Dormitory life is important at William and Mary, since the majority of students live in the ten dormitories, four of which are for women and six for men. The ten fraternities maintain non-residential lodges and the nine sororities houses for their members.

While these organizations make prominent contributions to the life of the College, there is little difference between the social life of the fraternity members and that of the non-fraternity members of the student body. At William and Mary, dormitory life is particularly attractive. The use of leisure is provided for by recreation rooms, study rooms, and lounges which contain easy chairs, books, magazines, newspapers, radios, pianos, card tables, and games. With an enrollment from most of the states of the Union, the College offers its students an opportunity to widen their horizons further through the exchange of views and customs.

Informal College dances take place occasionally on Saturday nights throughout the session, and formal dances are held at intervals. In addition, dances and other social functions are held by fraternities, sororities, and other organizations.

Student Government

The Constitution of the Student Body of the College of William and Mary provides for a Senate and Assembly whose powers extend to all student activities common to both men and women. A separate organization, the Women Students' Co-operative Government Association, deals with the student activities which concern the women solely. These two organizations cooperate with the College in administering the regulations which govern student life.

A General Cooperative Committee, consisting of students, members of the faculty, and administrative officers, serves as a clearing house for matters of general concern to the entire College.

Phi Beta Kappa Society

Alpha of Virginia: The Phi Beta Kappa Society, the first Greek letter fraternity in the United States, was founded by a small group of students at the College of William and Mary on December 5, 1776. During the succeeding four years, the number of members increased to a total of fifty, including Captain John Marshall who subsequently became Chief Justice of the United States and Elisha Parmele, a graduate of Harvard University. The faith of these youthful scholars in the permanence and

future greatness of their society was shown by their preparation of charters for branches in other colleges. Two such charters were entrusted to Elisha Parmele, who brought about the establishment of chapters at Yale in 1780 and at Harvard in 1781.

The original society at the College became inactive in 1781 with the closing of the College because of the approach of the army of Cornwallis. It was revived in 1851 with the blessings of an aged founder, William Short, and continued until early in the War Between the States. Once again the Alpha of Virginia Chapter was revived in 1893 and has continued since that time as an active and significant element in the educational program of the College.

At present there are approximately 160 chapters of Phi Beta Kappa located at the leading educational institutions of the United States with a living membership in excess of 120,000. Living members of the local chapter, not including the numerous members of the faculty elected to Phi Beta Kappa elsewhere, who are active as affiliated members, number more than 900 persons. Largely on the basis of their scholarship, members of the Senior class not in excess of 10 per cent of the total number in the class are elected each year to membership in course. From the Alumni of the College who have been out of college at least ten years and who have attained distinction in their professions, Alumni members are elected. More infrequently, honorary members and faculty members who are not graduates of the College are elected to membership.

Honor Societies and Special Interest Groups

Omicron Delta Kappa is an honorary society whose membership is elected annually from the junior and senior men on the basis of eminence in the fields of scholarship; athletics; social and religious activities; publications; forensic, dramatic, musical, and other cultural activities.

Mortar Board is a woman's honorary society whose members are elected in their junior year on the three-fold basis of service, scholarship, and leadership. It endeavors to serve the College each year by fostering scholarship, by rendering its services whenever requested, and by encouraging a wholesome college atmosphere.

There are eight honorary societies devoted to furthering interest in special fields of learning. Members of these groups are elected on the basis of scholastic proficiency in the departments concerned. In addition, many students find opportunities for friendly and stimulating associations in the various special interest groups and departmental clubs devoted to such fields of endeavor as literature, philosophy, drama, debating and the several fields of science. Among the enterprises sponsored by these groups are the annual "Open House" demonstrations of the Departments of Biology, Chemistry, Physics, and Psychology.

Fraternities

Since the first Greek letter fraternity was founded at William and Mary in 1776, the College has had an unparalleled heritage as a background for its fraternity life. The passage of time, with its accompanying changes in customs, and the opening of the College to women students, has changed and expanded the fraternity sphere of influence. Today the fraternity provides not only a source of good fellowship, but also fills many other needs in the college community.

The fraternities at William and Mary have implied standards of social deportment which are instilled into each fraternity man, and which help to prepare him for his post-college relations with others in his community. Fraternity intramural athletics allow a much wider participation in competitive sports than can be permitted by varsity competition. A definite criterion of scholarship is established which all men must meet before they are allowed to join any fraternity.

The fraternities are under the control of an Interfraternity Council. There are chapters of ten social fraternities on the campus: Theta Delta Chi, Sigma Alpha Epsilon, Pi Kappa Alpha, Kappa Alpha, Kappa Sigma, Phi Kappa Tau, Lambda Chi Alpha, Pi Lambda Phi, Sigma Pi, and Sigma Nu.

Sororities

There are nine chapters of national sororities at the College. In 1921 Chi Omega was founded followed by Kappa Alpha Theta, Kappa Kappa Gamma, Pi Beta Phi, Alpha Chi Omega, Phi Mu,

Kappa Delta, Delta Delta Delta, and Gamma Phi Beta. The affairs of the sororities are administered and regulated by a chapter of The National Pan Hellenic Council.

Each sorority carries out its respective national principles in the general realms of social congeniality, moral and mental standards, development of leadership, cooperation, and service, and in stimulating interest in vocations as an outlet for creative abilities. Each sorority has local as well as national philanthropies to which it contributes.

The sorority houses, owned by the College, each accommodate between 15 and 20 women, usually juniors and seniors, under the College status of a "small dormitory."

Publications

The *Flat Hat* is a weekly paper published and edited by the students. It is a chronicle of student life and daily affairs of the College.

The *Royalist*, published at least twice a year by a body of student editors, is the College literary publication. It contains short stories, essays, poems, and reviews. Contributions are welcome from all members of the student body.

Seminar publishes each semester student and faculty papers dealing with topics of current academic interest, including essays, research papers, book reviews and editorials. The student editors are assisted by faculty advisors.

The *Colonial Echo* is published annually by a staff comprised entirely of students. This well-illustrated volume is a treasury of current campus life.

The financial administration of all student publications is supervised by the Student Activities Fee Committee which is composed of faculty and student members. The selection of the major editorial and managerial positions of the publications is under the jurisdiction of the Publications Committee.

The William and Mary Theatre

Now in its thirty-third year, the William and Mary Theatre is a significant contribution to students as members of the audience or as the participants. The staff is composed of four profession-

ally trained members of the faculty of Fine Arts and of Speech. Participation in all forms of dramatic work is provided to students through courses in the Department of Fine Arts (Theatre and Speech) and through extra-curricular activity. Tryouts for parts in plays are open to all students, and casting is based on a competitive process with the intent to assemble the best qualified people for public performances. The production crews are basically composed of members of the classes in stagecraft, lighting, and design and costume, but emphasis is also placed on the opportunity for all students to volunteer to serve on committees of buildings, painting, sewing, making of properties, publicity, ushering, and box office management. Every production is a learning process for every one participating.

Annually four full length plays are presented in public performances. The plays are carefully chosen to provide a variety of entertainment, dramatic experience, and cultural value. Among the plays recently produced are: *Antigone*, *Dial "M" For Murder*, *As You Like It*, *Summer and Smoke*, *Romeo and Juliet*, *Ghosts*, *Othello*, *The Madwoman of Chailot*, *The Matchmaker*, and *The Glass Menagerie*.

Production methods and styles vary from the proscenium and picture-frame stage to open staging and theatre-in-the-round.

A chapter of a national honorary fraternity is made up of members elected from students who became eligible through successful work in the College theatre.

The William and Mary Debaters

The Intercollegiate Debate Council is an organization fostering all phases of debate and forensic activity. Any student interested in debate, discussion, extempore speaking, oratory, or other forensic activity may join the group.

Under the guidance of the faculty Director of Forensics and the Speech Department, an extensive program of training and participation is carried on. Each year debaters from the College participate in about fifteen intercollegiate debate tournaments. Debaters in recent years have traveled to tournaments at the University of Notre Dame, Florida State University, Dartmouth College, New York University, University of Kentucky, University of South Carolina, Georgetown University, University of

West Virginia and several other colleges. The College of William and Mary is affiliated with Tau Kappa Alpha, national honorary forensic fraternity. Outstanding college debaters may qualify for membership in this group.

The group also sponsors, from time to time, discussion forum meetings, which give to all members of the student body the opportunity to express views on local and national issues. Debaters carry on an extensive program of appearances before local religious groups, civic organizations, and on radio and television outlets in the Richmond and Norfolk areas. Foreign debate teams from Oxford University, Cambridge University, and other English universities are brought to the campus for public debates. William and Mary students have been invited on several occasions to participate in demonstration programs before bodies of the Speech Association of America meeting in convention.

The Marshall-Wythe Debate Tournament is sponsored by the College each February. This event brings to the campus teams from more than twenty colleges and universities in the eastern half of the United States. The tournament has become known as one of the top meets in the nation, offering both a unique setting and top quality competition.

The program is coordinated with the curricular offerings of the Speech Department in order to make most effective use of the available means of teaching techniques of effective oral communication which will be of use to students in each of the several areas of concentration.

Lectures, Concerts, and Exhibitions

The College provides its students the opportunity of enjoying as wide a range as possible of cultural experiences. A program of lectures, concerts, and exhibitions is arranged each year under the auspices of the Committee on Lectures, Art and Music. Lecturers most frequently come to the college through the co-operative planning of the Richmond Area University Center.

The Concert Series includes nationally known artists from outside the community. In addition there are individual and group performances under the direction of the faculty of the Department of Music.

A series of exhibits of architectural design, painting, sculpture, theatre and industrial arts is shown each year in the Phi Beta Kappa Memorial Hall. Annually the final exhibition is devoted to the work of students in the drawing, painting, sculpture, architecture, and theatre classes.

Musical Activities

The College offers abundant opportunity for hearing good music and participating in musical activities. The Music Department sponsors and trains organizations which are active on the campus, and which perform occasionally in the cities of Virginia and neighboring states. The College Choir and the William and Mary Chorus sing at the weekly chapel services of the College, and present public concerts in Williamsburg three or four times a year. The William and Mary Band, in addition to its activities during the football season, usually presents a concert of symphonic music in the spring. Other groups such as orchestra, men's glee club, or wind ensemble, are organized in response to the interests of the students.

Vocal and instrumental students participate in student recitals at several times during the year, and advanced students are given the opportunity of presenting complete recitals. Members of the music faculty give annual public recitals.

Television and Radio

The College is now in the process of completing its radio and television facilities which are located in Phi Beta Kappa Memorial Hall. Radio and television has a two-fold purpose at William and Mary: formal and adult instruction through these media, and curricular instruction of students in the practical application of broadcast principles.

All students are eligible for participation in the activities of the 10-watt, non-commercial, FM radio station. Students serve on the station as producers, directors, announcers, writers, engineers, and many other positions. Some opportunities are available in the television studios as boom operators, cameramen, directors, and projectionists. Participation is normally restricted to students enrolled in the broadcasting and related courses.

Religious Life

The College of William and Mary, though a Church of England foundation, has been since 1799 entirely non-sectarian. It avails itself fully of the cordial spirit of pastoral oversight which marks the various churches in the small and friendly city of Williamsburg. Many of the students participate in young people's organizations, among which are Balfour-Hillel, the Baptist Student Union, the Canterbury Club, the Christian Science Organization, the Lutheran Student Association, the Newman Club, the Wesley Foundation, and the Westminster Fellowship. Representatives of these organizations form the Student Religious Union, which assists in the College chapel services, and sponsors a Religion-in-Life Week once a year.

The College maintains a weekly vesper service in the beautifully restored chapel of the Wren Building. Members of the administration and of the faculty and some outside speakers make brief addresses. The William and Mary Choir and Chorus assist, and a student leader presides at each service. Attendance at these services is voluntary.

Men's Athletics

In the George Preston Blow Gymnasium, the men's gymnasium, are two basketball courts, a swimming pool, three handball courts, volley ball courts, showers, lockers, athletic administrative offices, a trophy room, and a social room. Cary Field provides for the following facilities: tennis courts, baseball field, stadium for football, track, and field athletics (seating capacity 15,000), practice fields for varsity and freshman football, and space for softball and intramural games.

The intramural sports program which is under the direct auspices of the Men's Department of Physical Education is designed to meet the needs and desires of all students as far as it is financially and educationally possible. The program evolves from the expressed desires of the students. The intramural director and other staff members of the Physical Education Department act primarily in organizational and advisory capacities.

Provision is made for participation in the following individual and team activities: badminton, basketball, bowling, free throws,

golf, handball, horseshoes, softball, swimming, tennis, touch football, track and field, volleyball, and wrestling. League schedules and individual tournaments are arranged for dormitory, fraternity, and independent competition.

The general supervision of intercollegiate athletics for men has been delegated by the President to a faculty committee. The College is a member of the Southern Conference. Milton Drewer is the Director of Men's Athletics, and William S. Gooch, Jr., is the Business Manager.

Varsity and freshman intercollegiate teams, under the supervision of a competent staff of coaches who are appointed for the full academic year, are offered the following sports: baseball, basketball, cross country, football, golf, swimming, tennis, and track and field athletics.

Women's Athletics

Sports are conducted by a joint committee of faculty and students. The program of physical education activities for women provides opportunity for intramural competition, interest groups, and limited participation in games with other colleges. Awards for accomplishment are the intramural emblem, varsity monogram, and individual honor awards.

Provision is made for intramural participation in the following activities: archery, badminton, basketball, bowling, fencing, hockey, lacrosse, ping pong, softball, swimming, tennis and volleyball. Schedules are arranged for dormitory, sorority, and individual competition in groups or teams according to the ability of the participant. Tryouts are held throughout the year for membership in the Synchronized Swimming Club and Orchesis, the dance club.

The women's athletic fields provide ample space for outdoor activities including archery, hockey, lacrosse, softball and tennis. The gymnasium is located in Jefferson Hall.

RESERVE OFFICERS' TRAINING CORPS

A UNIT of the Reserve Officers' Training Corps was established at the College of William and Mary on July 1, 1947, with an assigned mission of training students for positions of leadership in the Armed Forces in time of national emergency.

Beginning with the 1954-55 session the College broadened the scope of training from the original course designed specifically to train students in Artillery subjects to one of General Military Science. The GMS course gives the student a college level program of general military subjects, trains him in basic infantry weapons and procedure, teaches him the fundamentals of leadership, and provides him an opportunity to perfect his leadership technique by practical application.

Any male student who is a citizen of the United States, physically qualified, and not already holding a commission in any of the Armed Forces may, when he matriculates in the College, enroll in the first year basic course. Those meeting the above qualifications but who have had prior military training, whether in the Armed Forces or in another college may, commensurate with the degree of such training, enroll in Military Science I through IV. Time of enrollment must be such as to place the military and academic instruction in phase with each other. Thus, freshmen only pursue MS I, sophomores MS II, juniors MS III, and seniors MS IV.

Having completed satisfactorily the two year basic course or its equivalent, and having demonstrated that he possesses such traits of character and leadership ability as will justify his further training as a candidate for a commission, a student who also has an adequate academic standing may enroll in the advanced course covering an additional two years. Those who complete this course will, upon graduation from the College, be given a certificate of capacity and may be commissioned as Second Lieutenants, United States Army Reserve. Outstanding ROTC cadets are usually offered a commission in the Regular Army under the provisions of the Distinguished Military Student Program.

All students who enroll in the ROTC are furnished without costs to them officer-type uniforms which are worn to all military classes. In addition, students who are enrolled in the advanced course receive a subsistence allowance of approximately \$27.00 per month. Advanced course students are required to attend a six-week summer camp, generally between their third and fourth years at college, and are paid during that period at the rate of pay of a private in the Army. They also receive travel pay to and from camp, and while there are rationed and quartered at government expense.

The Professor of Military Science and Tactics may grant deferments to any student enrolled in ROTC. This deferment will defer the student from induction for training and service under the Universal Military Training and Service Act until he has completed his college education. A student who is selected and signs a deferment agreement agrees to enroll in and complete the advanced course, if selected therefor; to accept a commission upon graduation, if tendered; to serve on active duty as an officer for a period of not less than two years; and to remain a member of a regular reserve component of the Army until the sixth anniversary of the date of his commission. In some instances he may be authorized to serve only six months on active duty and to remain a member of a reserve component of the Army until the eighth anniversary of the date of his commission.

The signing of the deferment agreement is optional in the freshman and sophomore years, but becomes mandatory for a student entering the advanced course. Current regulations also provide for the deferment of the active duty training of newly commissioned students in cases where they have applied and been accepted for graduate work in any recognized field.

The branch of service in which commissions will be afforded to the individual student will be dependent upon the needs of the Army and recommendations of a selection board composed of civilian and military faculty members. In cases where a student is commissioned and subsequently enters graduate school to specialize in such fields as medicine, ministry, and engineering he may, upon the completion of such training, apply for transfer to a branch of service related to his particular field of endeavor.

SUPERVISION OF STUDENTS AND COLLEGE REGULATIONS

SUPERVISION OF STUDENTS

THE DEANS ENDEAVOR to follow carefully the progress and behavior of every student in College and by personal oversight and advice to insure proper conduct and attention to duties. The social activities of the women students, both within and without the College, are under the direction of the Dean of Women.

Reports showing the standing of students in their classes are sent to parents or guardians at the middle and the end of each semester. Students who in any semester make thirty-three quality points with at least 3 hours of A and at least 9 hours of B and with no grade below C, in academic subjects, and who do not receive a grade of F in required physical education and who make a quality point average of at least 2.0, are placed on the Dean's List for the following semester and are entitled to special privileges.

For guidance at registration each student is assigned to a member of the faculty as an adviser.

STUDENT'S PROGRAM

All students, other than graduate and part-time students, are required to carry the normal program of at least fifteen and no more than seventeen semester hours (counting courses in Physical Education), with the following regular exceptions:

(1) Any student may, with the consent of his adviser, carry eighteen semester hours (counting courses in required Physical Education).

(2) Seniors who can complete the degree requirements by carrying less than the normal program are permitted to carry as few as twelve semester hours.

(3) Veterans who have received credit for military service and who are not required to take Physical Education may be permitted to carry as few as fourteen semester hours in each semester of the freshman year.

Further deviations from the normal program, when warranted by special circumstances, will be permitted by the Committee on Academic Status after the registration period; students desiring this permission should apply in writing to the Dean of Men or the Dean of Women. Only to exceptionally able students, however, will the Committee on Academic Status grant permission to carry more than eighteen semester hours.

CLASSIFICATION OF STUDENTS

A Sophomore student must have completed at least twenty-four (24) credits in academic subjects, with at least twenty-four (24) quality points. A Junior student must have completed at least fifty-four (54) credits in academic subjects, with at least fifty-four (54) quality points. A Senior student expecting to graduate in June must have completed eighty-five (85) credits in academic subjects, with at least eighty-five (85) quality points. The social standing of every student is identical with the academic.

CHANGES IN REGISTRATION

In order to add a course to or drop a course from the program of courses for which they originally registered, men students must make application for such a change to the Dean of Men, and women students, to the Dean of Women. If the application is granted, the dean will then notify the Registrar of the change. The Registrar, in turn, records the change on the student's registration card and informs the instructor or instructors concerned. Unless a course-change has been made in that manner it has no official standing and will not be recognized as valid by the College. After the first week of classes in a semester, the only course-changes which are permitted by the deans are those initiated by the faculty or by the administration.

WITHDRAWAL FROM COLLEGE

Students who desire to withdraw from college should apply to the Dean of Men or the Dean of Women for permission to withdraw. The permanent record card of any student who withdraws from college without permission from the proper dean will carry the notation "Withdrew unofficially."

It is the policy of the College to allow appropriate credit to students who are required by the Selective Service System or other military organization to withdraw from college during the course of a semester to enter military service. The regulations defining this policy are available on request.

CONTINUANCE IN COLLEGE

A freshman must accomplish for the session at least 18 semester credits in academic subjects and earn at least 12 quality points. During the first semester he must pass at least five semester hours of academic work. An upper classman or an unclassified student must accomplish for the session at least 20 semester credits in academic subjects with at least 20 quality points. A student who has completed 4 semesters may not continue in college unless he has accumulated at least 40 semester credits in academic subjects and 40 quality points. A student who has not met the requirement pertinent to his status may not register either in the summer session or in the regular session, except by the advice and consent of the Committee on Academic Status. Finally, when a student is not profiting by his stay at college, or whenever his influence is detrimental to the best interest of the College, such a student may be required to withdraw.

A student who has failed to complete the requirements for the degree of Bachelor of Arts or Bachelor of Science within five years of residence in college will be automatically debarred from further attendance at the College; provided, however, that when a student has been permitted to reduce his schedule below that normally required, the total period of residence permitted for the completion of the degree requirements shall be extended in proportion to the reduction permitted. In the application of this regulation, each nine weeks' summer session will be counted as three-fifths of a semester.

ABSENCE FROM CLASSES AND FROM COLLEGE

An educational system centered upon classroom instruction justifies a set of regulations and procedures to aid in assuring satisfactory class attendance. These attendance regulations are designed by the faculty to limit the number of unnecessary class absences since irregular class attendance jeopardizes the student's

progress and detracts both from instruction and from learning. These regulations provide that a large measure of individual responsibility be given to students on the Deans' Lists and to those in more advanced courses.

Registration

Students are expected to keep their registration appointments. Unless excused by the Dean of Men or the Dean of Women, students who fail to present themselves at the appointed time for registration will be placed on *absence probation*.

Class Attendance

1. Students are expected to be present at all their regularly scheduled classroom appointments.

2. All absences in 100 and 200 courses are recorded by the instructor. Whenever a student has accumulated a total of one unexcused absence per credit hour, the instructor shall report him to the Dean of Men or the Dean of Women, who will issue a warning to the student. The instructor shall immediately report any subsequent unexcused absence; on the first such absence, the dean will place the student on *absence probation*.

3. Students whose attendance, in the opinion of the instructor, becomes unsatisfactory in 300, 400, and 500 courses and in courses in The Law School, shall be reported to the Dean of Men or the Dean of Women. When such a report has been received, a warning shall be issued by the dean, and if a subsequent unexcused absence be reported in that course, the student will be placed on *absence probation*. Any additional unexcused absence in that course will make the student subject to suspension from the College by action of the Committee on Academic Status. The authority for excusing absences from 300, 400, and 500 courses and from courses in The Law School is the instructor in the course.

4. Students, unless on the Deans' Lists, or unless excused by the Dean of Men or the Dean of Women, who fail to keep their last scheduled classroom appointment in each of their courses preceding and their first scheduled classroom appointment in each of their courses following the Thanksgiving, Christmas, and Spring holiday periods will be placed on *absence probation*.

5. After the completion of one semester of regular college

work beyond the one in which the absence probation was incurred, absence probation will be removed.

A student placed on absence probation under any of the above provisions (whether for absence from a registration appointment, for absence immediately before or after a holiday, or for absence from classes at other times) who, before that absence probation is removed, incurs a second absence probation, shall be subject to suspension from the College by action of the Committee on Academic Status, and if suspended, may not apply for readmission until a full semester has elapsed, but a student readmitted after such suspension shall not be considered as being on absence probation.

6. Attendance regulations, with the exception of registration appointments, do not apply to students on the Deans' Lists, or to those students who are enrolled in a course for which they will not claim college credit.

EXAMINATIONS

The examinations, given at the end of each semester, take place at the times announced on the examination schedule, which is arranged by the Dean of the Faculty and posted at least two weeks before the beginning of the examination period. Students are required to take all of their examinations at the time scheduled, unless excused on account of illness or other sufficient reason by the Dean of Men or the Dean of Women. Students should present their reasons for an expected absence to the proper dean in advance of the examination. No excuse on the ground of illness will be accepted unless it is approved by the College physician.

Deferred examinations are provided for students who have been excused by the Dean of Men or the Dean of Women from taking their examinations at the regular time. The deferred examinations for courses in the first semester are given in the fourth week of the second semester; the deferred examinations for courses in the second semester are given during the orientation period in September. Except under very exceptional circumstances students are not permitted to postpone the taking of a deferred examination beyond the first occasion thus regularly provided; and in no case will permission to take a deferred examination be extended beyond a year from the time of the original





examination from which the student was absent. The schedule of the deferred examinations, arranged by the Dean of the Faculty, will be posted several days in advance of the time at which they are given, and a copy of it will be mailed to each student who is entitled to take a deferred examination.

RESIDENCE

All undergraduate students except those coming daily from their homes, are required to live in the College dormitories. Exceptions to this regulation may be granted by the Dean of Students when good reason for so doing exists. Married students may not reside in College dormitories.

All dormitory students who are classified as freshmen or sophomores are required to board in the College dining hall. For all other students, boarding in the College dining hall is optional.

Registration as a student at the College of William and Mary implies that the student will familiarize himself with the rules and regulations governing the conduct of students, and that he will abide by such regulations so long as he remains a student at the College.

When students other than day students are permitted to withdraw, or are dropped from the roll, or are suspended, they must forthwith leave Williamsburg and the vicinity. Until this requirement has been fulfilled, they remain subject to the authority of this institution and may be expelled.

The College assumes that men and women of college age are able and willing to maintain standards of self-discipline appropriate to membership in a college community. Therefore, the College purposely refrains from promulgating a rigid code of discipline. However, it reserves the right to take disciplinary measures compatible with its own best interests.

The discipline of the College is vested in the President by the action of the Board of Visitors. Cases involving minor infractions of discipline are handled through the offices of the Dean of Men and the Dean of Women, respectively. Serious infractions are considered by the Discipline Committee, which represents administration, faculty, and students. When men and women are jointly involved in misconduct or violation of College regulations, they will be held equally responsible.

Aside from cheating, lying, and stealing, which fall under the Honor System, and infractions of the rules set down by the Women Students' Cooperative Government Association and enforced by the Judicial Committee, the fundamental test for disciplinary action by the College authorities is whether the behavior complained of tends to throw discredit on the name of the College of William and Mary, or to manifest undesirable conduct on the part of the students.

The College reserves the right at any time to suspend or dismiss a student whose conduct or academic standing is in its judgment unsatisfactory.

COLLEGE REGULATIONS

Hazing

Hazing or the subjection of a student to any form of humiliating treatment is forbidden. The hazing of students in a state supported institution is a violation of the laws of the Commonwealth of Virginia.

Alcoholic Beverages

The College wishes to encourage and to promote the highest standards of group conduct and personal behavior on the part of William and Mary students. Since the College does not believe in the use of alcoholic beverages by students, a statement of policy is necessary in the interests of the College community.

The possession or consumption by William and Mary students or their guests of alcoholic beverages of any kind or alcoholic content anywhere on the campus or in any College building, dormitory, sorority house, or fraternity lodge is prohibited; nor may alcoholic beverages of any kind or content be served or consumed at any dance or other social function given in the name of the College or sponsored by any student organization or group. It shall be the responsibility of the sponsoring student organization or group and its officials to enforce this regulation. Violation of this regulation may be punished by loss of social privileges, probation, suspension or separation from the College.

Vandalism and Disturbances

In general, the College strongly disapproves of all forms of vandalism and disturbance. Students who deface property or

destory fixtures will be dealt with summarily. The defacement or destruction of state property is a violation of the laws of the Commonwealth of Virginia. Students who through noisiness or other disturbance continually annoy their neighbors will be asked to withdraw.

Manners, Habits of Living

Manners and behavior that would not be tolerated in the student's home cannot be tolerated in the classrooms, the dining halls, or the dormitories. The College highly approves of regular habits of living, and these include hours of rising and retiring that are compatible with regular classroom appointments and regular study habits. Long experience has shown a striking correlation between irregular and slovenly habits of living and lack of adequate performance in the classroom. Students are expected to keep their rooms reasonably clean and tidy at all times. It is important that the students' rooms be as presentable as the College grounds, the classrooms, and the dining halls.

Automobiles

By regulation of the Board of Visitors, students are not allowed to have automobiles, except by special permission, which is to be secured from the President through the Dean of Men. Special permission to have automobiles at the College will be granted only in cases of physically handicapped students whose disability makes it necessary that they have access to automobile transportation, and in cases of students who can demonstrate that having an automobile at the College is essential to necessary part-time employment in Williamsburg.

The automobile regulation will not be applied to married students whose families are residing in Williamsburg or to day students who commute to the College from their homes. Further, students who have been accepted as candidates for the Master's Degree and students who have received the Bachelor's Degree and who are studying for the BCL Degree will be exempt from this regulation. *Students exempt from the regulation must, nevertheless, register their cars at the Office of the Dean of Men and at the Office of the Superintendent of Grounds and Buildings and are subject to the Student Motor Vehicle Rules and Regulations.* All other students, including resident students living off campus in Williamsburg are subject to the regulation.

Except as noted above, no student shall, while College is in session, maintain or operate a motor vehicle in Williamsburg or vicinity. A student who rides in a car which is used in violation of this regulation will be held equally guilty with the owner or driver. If a student wishes to bring his luggage to the College in an automobile, that automobile must be returned to his home before 6 P.M. of the day preceding the day on which classes begin. A student must not bring an automobile to the College unless he can provide for its removal from Williamsburg by that time.

Students who violate the automobile regulation will be subject to dismissal from the College.

Marriage

Any minor student who marries without the full knowledge and consent of his or her parents will be required to withdraw. Such consent must be submitted in writing by the parents prior to the marriage.

A student twenty-one years of age or older must give written notice in advance of his or her intention to marry. Failure to do so may result in dismissal from the College.

Participation in Extra-Curricular Activities and Eligibility for Class Office

Students are required to pass twenty-four semester credits during the previous year before they may represent the College in athletic contests, intercollegiate debate, dramatic productions, or other similar extra-curricular activities.

No student shall be eligible to hold a class office unless he is a member in good standing of the class which he seeks to represent.

Public Performances and Parties

No person or group of persons associated with the College of William and Mary shall give either in Williamsburg or elsewhere a public performance of any kind unless prior to the first rehearsal the said person or group of persons shall have obtained from the office of the President permission to present the entertainment. In order to secure permission, those in charge of the performance must make written application to the President of the College.

STUDENT PERSONNEL SERVICES

HEALTH SERVICE

THE PURPOSE of the Health Service is fourfold: (1) improvement of the health of the students; (2) prevention of diseases; (3) supervision of campus sanitation, which includes inspection of sanitary conditions of cafeterias, dining halls, dormitories, and swimming pools; and (4) instruction of students in matters essential to healthful living.

The Health Service is housed in the David King Infirmary, a modern, fireproof building containing out-patient clinic, dispensary and waiting rooms, diet kitchens, nurses' quarters, and fifty-bed infirmary.

A health certificate is required of all entering students. During each semester, each student is entitled to the use of the Medical Services. The medical services are as follows:

1. Medical care in the Health Service clinic for minor and incipient illness and accidents. Necessary staple drugs and dressings are included.
2. Health consultation service with the medical staff.
3. Special medical examinations for certification of students which is required for participation in intercollegiate athletics and other forms of strenuous activity.
4. A medical examination, by the College physician, of all freshmen, transfer students and students who are reinstated following withdrawal for illness or other cause. Recommendations to the Physical Education Department and to scholastic counselors are then made regarding the physical condition of the student thus enabling him to arrange his program within his physical capacities.
5. Hospitalization in the Health Service infirmary for a limited period, for minor and incipient illness when bed care is advised by the College physician. The College does not, however, assume the cost of special nurses, consulting physicians, surgical operations, x-ray or laboratory tests, care in other hospitals, or special medications. Meals are charged the student at the prevailing dining hall rate.

The College Health Service affords the student general medical treatment and bed care in the Infirmary for a period up to three weeks for minor and incipient illness and accidents. Staple drugs are supplied without additional charge. Isolation and care for common communicable diseases are provided.

THE COUNSELING OFFICE

The Counseling Office offers guidance and counseling in three main areas: Educational counseling—help in selecting the proper courses of study and in establishing effective study habits; vocational counseling—aid in determining the profession or position for which the student is best fitted, or help in choosing the field of study in which the student intends to major; and personal adjustment—assistance in overcoming difficulties in social adjustment, difficulties caused by uncertainties of aims and purposes and other personal problems.

In vocational counseling a testing and information service is provided. Vocational interest and aptitude tests are available to all students who desire help in choosing their major field, or their life work. A file of information on all vocations in which college men and women are interested is maintained.

In addition, the Counseling Office is the center for those tests supervised by the Educational Testing Service, such as the Graduate Record Examination and the Law School Admissions Test, and for the Miller Analogies Test.

BUREAU OF SENIOR AND ALUMNI PLACEMENT

The College maintains a Placement Bureau for seniors and alumni through which non-teaching placements are made. This faculty-sponsored organization helps seniors to obtain employment with business and industrial organizations. At the same time it assists business and industry to obtain a trained body of men and women. The Placement Office also offers its services to the alumni who are seeking job transfers after they have been out of college a number of years. Frequent requests come from industrial and business concerns for men who are available for employment and who have had experience.

Personnel records of seniors and alumni are made available to professional, governmental and business organizations interested in employing men and women from the College. The Placement Bureau maintains cordial relationships with many employers and devotes considerable effort each year to placing in permanent positions those students who seek employment. Company representatives are invited to the campus to confer with students and to discuss not only the qualifications necessary for success in their special fields but to explain business opportunities and to make job offers to our graduates. In recent times representatives of nationally recognized business concerns have been visiting the campus at the rate of about one hundred per year. These representatives are given every assistance in their recruiting programs. Free services of the Bureau include vocational counsel and specific aid in securing satisfactory positions.

TEACHER PLACEMENT

In addition to the services listed above which are primarily designed to assist seniors and alumni in finding positions in business and industry, the College maintains a teacher placement service. All students and graduates desiring teaching positions may use the specialized services of the Bureau of Recommendations operated by the Department of Education. Prospective teachers are encouraged to register in this Bureau and are given organized help in entering the teaching profession.

THE SOCIETY OF THE ALUMNI

THE SOCIETY of the Alumni of the College of William and Mary in Virginia was founded in 1842 and incorporated on March 17, 1923. Its purpose is to organize the alumni of the College of William and Mary in one general body, in order to keep alive the memories of college life and promote the welfare of the College. Any alumnus who has completed one regular college semester at the College in Williamsburg and has received honorable dismissal is eligible for membership in the Society. Contributors to The William and Mary Fund are accorded all membership privileges. *The Alumni Gazette*, the official publication of the Society, is sent to all living alumni.

The officers of the Society are: Henry Irving Willett, '25, President; Suzanne Yeardeley Garrett (Montague), '25, Vice President; Robert Stanley Hornsby, '41, Secretary-Treasurer.

The Members of the Board of Directors of the Society are: To December, 1959—John Rochelle Lee Johnson, Jr., '28, Wilmington, Delaware; Suzanne Yeardeley Garrett (Montague), '25, Hampton, Virginia; Henry Irving Willett, '25, Richmond, Virginia.

To December, 1960—John Leo Daly, '27, Bela Cynwyd, Pennsylvania; Ernest Linwood Wright, '15, Rome, Georgia; Aubrey Leonidas Mason, '47, Lynchburg, Virginia.

To December, 1961—John Preston Harper, '41, Norfolk, Virginia; Robert Stanley Hornsby, '41, Williamsburg, Virginia; Harvey Page Williams, '16, Raleigh, North Carolina.

The members of the Alumni Board of Trustees of the Alumni Endowment of the College of William and Mary are: Edward Nelson Islin, '25, Hilton Village, Virginia; Henry Morris Stryker, '18, Williamsburg, Virginia; Vernon Leslie Nunn, '25, Williamsburg, Virginia; Robert A. Duncan, '24, Williamsburg, Virginia. Ex officio—The President of the Society of the Alumni.

James S. Kelly, '51, is the editor of *The Alumni Gazette*.

The Alumni Office is located in The Brafferton.

FEES AND EXPENSES

THE COLLEGE RESERVES THE RIGHT TO MAKE, WITH THE APPROVAL OF THE PROPER AUTHORITIES, CHANGES IN TUITION AND OTHER FEES AT ANY TIME.

Payment of Accounts

Principal fees, and room and board fees are payable in advance by the semester, remittance being made by check drawn to the College of William and Mary. The College has a special payment plan for those who are unable to pay the entire semester account by the date of registration. Information concerning this plan may be obtained by writing the Auditor's Office. Failure to meet the payments when due results in automatic suspension of the student from the College until the account has been brought up to date.

Students will not be allowed to complete registration unless their registration cards have first been approved by the Auditor's Office. This preliminary procedure can be accomplished by mail and should be completed upon receipt of the student's statement of account.

Students who present themselves for registration without making preliminary arrangements must be prepared to pay their accounts in full. Otherwise, their registration will be delayed until satisfactory arrangements have been made.

First semester accounts or first payments on accounts under the special payment plans are *due on or before September 1*. Second semester accounts are *due on or before January 15*.

Refunds to Students Withdrawing

Subject to the following regulations and exceptions, all charges made by the College for room, board and fees are considered to be fully earned upon the completion of registration by the student.

1. A student withdrawing within a period of five days after the scheduled registration period is entitled to a refund on charges except that \$10.00 shall be retained by the College to cover the

expense of registration. (These refunds shall not include any deposits or advance payments that may have been required by the College as evidence of the student's intention to enroll, or the amount of \$12.00 charged for board for students who attend the orientation period.)

2. A student withdrawing at any time within the first 30 days after the scheduled period of registration shall be charged 25 per cent of the semester's room rent and fees.

3. A student withdrawing at any time within the second 30 day period after the scheduled registration shall be charged 50 per cent of the semester's room rent and fees.

4. A student withdrawing at any time after 60 days following the date of registration shall be charged the full semester's room rent and fees.

5. No refunds of fees or room rent will be made to a student who has been required to withdraw by the College, regardless of the date of withdrawal.

6. No refund of room rent will be made to a student who has been required to withdraw from a dormitory because of marriage.

7. In cases of withdrawal from College, charges for board will be calculated on a pro-rata basis.

Credits on Accounts of Scholarship Holders

Students holding scholarships are required to pay all fees less the value of the scholarship which they hold.

Students holding scholarships (except Merit Award Scholarships) and student positions must board in the College dining hall and room in College-owned dormitories.

Withholding of Transcripts and Degrees in Case of Unpaid Accounts

Transcripts or any other information concerning scholastic records will not be released until college accounts are paid in full. Degrees will not be awarded to persons whose college accounts are not paid in full.

Cashing of Student Checks

The College does not have facilities for handling deposits for students' personal expenses, but the Auditor's Office is prepared to cash checks up to \$25.00. All such checks should be made

payable to the student or to cash. Under our regulations as a State institution, we are not permitted to cash checks made payable to the College of William and Mary.

FEES AND OTHER EXPENSES

Tuition and General Fee (\$146.00 per semester for State Students and \$326.00 for Out-of-State Students) is a payment towards the general maintenance and operating costs of the College including recreational and health facilities. (Board, room and laundry are additional.)

The Act affecting residency is as follows:

“Be it enacted by the General Assembly of Virginia, That no person shall be entitled to the admission privilege, or the reduced tuition charges, or any other privileges accorded by law only to residents or citizens of Virginia, in the State Universities, Colleges and other institutions of higher learning unless such person has been a bona fide citizen or resident of Virginia for a period of at least one year prior to admission to said institution, provided that the governing boards of such institutions may require longer periods of residence and may set up additional requirements for admitting students.”

Laundry Fee

The fee (\$16.00 per semester) covers the laundry requirements of the average student and is required of all students living in dormitories, sorority houses and fraternity lodges.

Board

The College operates a large cafeteria and a snack bar, together seating over 800 persons. The dining halls are not operated for profit.

All students who are officially classified as freshmen and sophomores and who are dormitory residents (including residents of the College-owned sorority houses and fraternity lodges) will be charged for board at the rate of \$200.00 per student per semester for the period beginning on September 18, 1959. (Students entering for the orientation period beginning September 13, 1959,

will be charged an additional \$12.00.) Board is payable in advance unless special arrangements are made with the Auditor's Office.

Each student will be issued a Dining Hall Card which entitles that student to three meals daily for a period of 120 days during the semester. The Christmas recess during the first semester and the spring recess in the second semester are not included in the 120 days for which board is charged.

The Dining Hall Card will not be usable in the Wigwam (Coffee Shop).

The daily menus afford a choice of salads, desserts and beverages. There is no choice of entrees or vegetables served at each meal except on Friday.

It shall be optional with students not living in dormitories and students other than freshmen and sophomores whether they board in the College Dining Hall. They may elect to board by the semester in the Dining Hall in which case the charge for board will be \$200.00 per student per semester of 120 days, or they may purchase a monthly Dining Hall Card for \$52.50, which will entitle the holder to three meals per day for a thirty-day month.

In cases of withdrawal from the College, the student will be given a refund calculated on a pro-rata basis determined by the date of official withdrawal, provided the Dining Hall Card is surrendered to the Auditor on this date.

Owing to uncertain conditions prevailing with respect to the cost of food supplies and of food service, the College reserves the right to change its rates for board at any time throughout the year to meet such additional costs.

Room Rent

Men: Room rent in the men's dormitories varies from \$55.00 to \$150.00 per semester depending on the size of the room, location, bath, etc.

Women: Room rent in the women's dormitories varies from \$100.00 to \$150.00 per semester depending on the size of the room, location, bath, etc.

ESTIMATE OF SEMESTER EXPENSES

	<i>Low</i>	<i>Medium</i>	<i>High</i>
Board	\$200.00	\$200.00	\$200.00
*Tuition and General Fee (State Student)	146.00	146.00	146.00
Room Rent	55.00	85.00	150.00
Laundry	16.00	†18.00	†20.00
	<hr/>	<hr/>	<hr/>
Totals	\$417.00	\$449.00	\$516.00

INCIDENTAL EXPENSES

It is impossible to estimate the exact cost to students of clothing, travel and incidental expenses. These are governed largely by the habits of the individual. The College endeavors to cultivate frugality on the part of the students, and equally to minimize temptation to extravagance. The size of Williamsburg aids materially in this matter by not subjecting the students to the diversions of a larger city. As the demands for extra money are small, parents are advised to furnish only a small sum.

The cost of books depends somewhat on the courses taken, but will seldom be less than \$25.00 a year and does not usually exceed \$50.00 a year.

Money for books cannot be included in checks covering college expenses; books should be paid for in cash or by separate check when purchased. Checks for books should be made payable to the William and Mary Bookstore.

NON-RECURRING FEES

Room deposit	\$25.00
Room change fee	5.00
Bachelor's diploma	7.50
Master's diploma	10.00
Academic costume rent to seniors	5.00

*For out-of-State students add \$180.00.

†For excess over and above normal requirement.

Room Deposit—A deposit of \$25.00 is required by the College for a student to reserve a room. This payment is made to the Auditor and is applied on the student's regular college account.

This deposit may be made by students already enrolled at any time after the beginning of the second semester, but *must* be paid before May 15. No rooms will be reserved for students who have not paid their room deposit by the specified date.

Students enrolling for the first time may not make a room reservation deposit until they have been notified of their admission to the College.

The room deposit will be returned only to those students who cannot be accommodated in the dormitories or who cancel their reservations on or before July 15. No student who has reserved a room in one of the residence halls will be permitted to transfer to a fraternity house or sorority house after August 15.

Room assignments for women will be made by the Assistant Dean of Women. Room assignments for men will be made by the Assistant Dean of Men. Assignments will be made in order of priority of application.

Room Change Fee—Students are given two weeks to become settled in their rooms. Changes after this period will only be permitted after the payment of five dollars.

Diplomas—The charge for the Master's diploma is \$10.00, and the charge for the Bachelor's diploma is \$7.50. These fees are payable at graduation.

Academic Costumes—Both senior and graduate students are furnished an academic costume at the cost of \$5.00. This fee is payable at graduation.

ADMISSION TO THE COLLEGE

BY ACT OF THE General Assembly of Virginia, men and women are admitted to the College on the same conditions.

Applicants for admission must present their applications on printed forms secured from the office of the Dean of Admissions. While priority of application does not guarantee selection, candidates should apply early, preferably before February 1. Assignments to rooms are made after selection for admission, in the order of time of application.

The first selection of applicants will be made on or about March 15. Candidates will be notified of the action of the Committee on Admissions as soon thereafter as is feasible. Additional selections will be made later.

It is strongly urged that those expecting to apply for admission to the College begin early in their high school careers to plan their courses toward the meeting of the entrance requirements. The Dean of Admissions and the other members of the faculty will gladly assist in preparing a desirable program of studies.

THE SELECTIVE PROCESS OF ADMISSION

The essential requirement for admission to the College of William and Mary is graduation in the upper half of the class from an accredited secondary school, with a minimum of sixteen acceptable units or the equivalent of this requirement as shown by examination. Candidates for admission from secondary schools requiring more than the normal four years for graduation may be accepted when their transcripts show the full equivalent of graduation from a four-year secondary school in the upper half of the class.

Since the number of applicants who meet the essential requirement is considerably in excess of the number that can be admitted, the College selects those who present the strongest qualifications in scholarship, character, personality, performance in extra-curricular activities, and breadth of interests.

The high school record, the recommendation of the principal, and such other sources of information as may be available will be

utilized in determining the applicant's fitness for selection. A personal interview by a representative of the College may be required of the candidate.

Although interviews are not usually required, applicants who wish to visit the College for the purpose of an interview are urged to make appointments in advance with the Dean of Admissions. Such interviews may be most conveniently held during the winter months.

Scholarship

Evidence of superior achievement in the secondary school is considered of prime importance in determining selection for admission. High rank in the graduating class will be taken as presumptive evidence of superior scholarship and will weigh heavily in the applicant's favor.

Although the College does not prescribe specifically the high school units to be presented, preference will be given to candidates who present at least four units in English, three in a foreign language (ancient or modern), or two in each of two foreign languages, two in history, two and one-half in mathematics, and two in science. The remainder of the sixteen units should consist of additional credits in these preferred subjects.

Personal Qualifications and Ability to Adjust

Evidence of good moral character and of such traits of personality as will make for desirable adjustment to the College will be considered of importance equal to the student's academic achievement; such characteristics as determination, enthusiasm, self-discipline, imagination and ability to work with others are as important as academic competence. It is understood that these terms necessarily deal with intangibles. In general, however, the student whom the College desires to enroll is the person of genuine intellectual ability and moral trustworthiness; in addition, he or she should possess the qualities that will make for friendly and congenial relations in the College group. Recommendations from alumni may be requested when the College deems them necessary. Also, other references may be asked to supply information pertinent to the character and other qualifications of the candidate.

Performance in Extra-Curricular Activities

A record of interested participation in extra-curricular activities when accompanied by good achievement in the field of scholarship increases the likelihood of the applicant's selection. The Committee, therefore, takes into account the participation of the candidate in such fields as publications, forensics, athletics, and the arts.

Tests of the College Entrance Examination Board

All candidates for admission to the freshman class of the College of William and Mary must take the Morning Session Scholastic Aptitude Test of the College Entrance Examination Board. For information concerning testing dates and testing centers, candidates should inquire at their high school guidance offices or write to The Educational Testing Service, 20 Nassau Street, Princeton, New Jersey, or 4641 Hollywood Boulevard, Los Angeles, California.

The College prefers that candidates take the December or January test, but scores from the February, March and May tests are acceptable.

Admission of Transfer Students

In order to be able to admit as large a freshman class as possible, it is the general policy of the College to admit with advanced standing from other colleges only applicants with exceptional academic records and personality qualifications.

A student having completed a year's session at another college will be admitted only on a thirty hours' record with an average of C or better on these hours. A student having completed two sessions at another college will be admitted only on a sixty-hour academic record with an average of C or better on such hours.

The Advanced Placement Program

The College participates in the Advanced Placement Program of the College Entrance Examination Board. This program offers to able and ambitious students the opportunity to qualify for advanced placement and credit in Biology, Chemistry, English,

History, Latin, Mathematics, Modern Language, and Physics. Applicants for advanced placement should plan to take the College Board Advanced Placement Tests. For complete details, candidates should write to the Dean of Admissions.

ADMISSION TO THE LAW SCHOOL

Application blanks for admission should be requested from the Dean of Admissions of the College of William and Mary. Applicants will be sent the usual forms which should then be completed and returned. Beginning students in law are accepted in September and February of each year.

Applicants must have at least a 1.3 quality point average or its equivalent in their overall undergraduate work (A—3 points, B—2 points, C—1 point, D—0 points), and a satisfactory score in the Law School Admission Test.

Accordingly all Law School candidates must have received a Bachelor's degree from an approved college or university or have completed the first three years' work of the combined six-year program.

Undergraduate students who desire to be admitted to courses in Law must have finished three-fourths of the work and earned three-fourths of the quality points required for a baccalaureate degree within a period not exceeding seven and one-half semesters.

Students of academic junior standing who have completed one-half of the work and who have earned one-half of the quality points required for a baccalaureate degree within a period not exceeding five semesters may take a limited amount of work for business law or elective credit (but not for law credit), with the consent of the Dean of the School.

Within the discretion of the faculty of the School, persons of exceptional promise who fail to meet the above requirements may be admitted as special students and may take subjects in Law approved by the Dean of the School.

Transfers From Other Law Schools

Students from law schools approved by the American Bar Association who have received a baccalaureate degree and who are in good standing may be admitted as transfer students.

Credit will be given for work done not to exceed sixty semester hours provided such work has been of a quality well above passing.

Law School Admission Test

All applicants are required to take the Law School Admission Test which is given four times a year at various centers in the United States. The score secured on this test affords evidence of the applicant's aptitude for law study and is useful for counseling him as to his work. But of course the results of such a test must be considered along with the applicant's personality traits; for such characteristics as courage, determination, enthusiasm, self-discipline, imagination, and ability to work with others are as important as natural ability. Information about this test may be obtained from the Educational Testing Service, 20 Nassau Street, Princeton, New Jersey.

Other Factors

As in the case of undergraduate admission, evidence of good moral character and the ability to make a desirable adjustment to the College will weigh heavily in the consideration of applications for the Law School. An interview with an officer of the College or an alumnus of the College may be required. Recommendations by officials at a candidate's previous college will be secured by the Dean of Admissions, and these recommendations will be considered carefully when the candidate's application is reviewed.

REQUIREMENTS FOR DEGREES

THE DEGREES conferred in course are Bachelor of Arts (A.B.), Bachelor of Science (B.S.), Bachelor of Civil Law (B.C.L.), Master of Arts (M.A.), Master of Education (M.Ed.), and Master of Law and Taxation (L.T.M.).

The requirements for degrees are stated in terms of "semester credits" which are based upon the satisfactory completion of courses of instruction. One semester credit is given for each class hour a week through a semester. Not less than two hours of laboratory work a week through a semester will be required for a semester credit. A semester is a term of approximately eighteen weeks or one-half of the college session.

EVALUATION OF CREDITS FROM OTHER INSTITUTIONS

The credits of students transferring from other institutions will be evaluated only tentatively upon matriculation. The final evaluation of credits earned at any time elsewhere than at this institution will be determined by the quality of work completed at this college. No student may assume that credit will be given for work at other institutions until he has a written statement as to what credit will be accepted. In particular, any student of the College in Williamsburg who proposes to attend a summer session elsewhere must have written permission in advance from the Chairman of the Committee on Degrees in order to insure that the credit may be transferred to the College in Williamsburg. Credits carrying a grade of "D" will not be accepted for transfer to the College of William and Mary. In determining the number of quality points on credits accepted from other institutions which may be counted toward the minimum of one hundred twenty required for graduation, credits of grade "C" or higher will be considered as having a value of "C". Credit for extension and/or correspondence courses in the field of concentration or for the requirements for the baccalaureate degree shall be limited to one-fourth of the total credit hours required.

SYSTEM OF GRADING AND QUALITY POINTS

The work of each student in each course in an academic subject is graded A, B, C, D, or F. These grades have the following meanings: A, superior; B, good; C, average; D, passing; F, failing. For each semester credit in a course in which a student is graded A he receives 3 quality points; B, 2; and C, 1. F carries no credit and no quality points. D carries credit but no quality points. The work in required physical education is graded S (satisfactory) or F (failed).

In addition to the grades A, B, C, D, and F, the symbols "G," "I," and "X" are used on grade reports and in the college records. "G" indicates that the instructor has deferred reporting the student's grade. "I" indicates that the student has postponed, with the consent of the instructor, the completion of certain required work other than the final examination. "X" indicates absence from the final examination. "I" automatically becomes F at the end of the next semester if the postponed work has not been completed. "X" automatically becomes F at the end of the next semester unless a deferred examination is permitted by the Committee on Academic Status.

REQUIREMENTS FOR THE DEGREES OF
A.B. AND B.S.

The requirements for the degrees of Bachelor of Arts and Bachelor of Science are stated in the succeeding paragraphs under the following headings: I, General Requirements for the Degrees of A.B. and B.S., II, Distribution, Concentration, and Electives. III, Fields of Concentration. IV, Honors Program.

I. GENERAL REQUIREMENTS FOR THE DEGREES
OF A.B. AND B.S.

One hundred and twenty-four semester credits are required for graduation. Of these one hundred and twenty-four semester credits, one hundred and twenty must be in academic subjects and four in required physical education. A minimum of 120 quality points in academic subjects is required.¹

¹"Academic subjects" means subjects other than required physical education.

In the field of concentration the student must make a minimum quality point average of 1.

No degree will be granted by the College until the applicant has been in residence at least one college year and made a minimum of thirty semester credits at the College of Williamsburg. This period must include the last year of the work required for the completion of the degree.

Students transferring from other institutions should expect to spend at least two years in residence at the College.

II. DISTRIBUTION, CONCENTRATION, AND ELECTIVES

The credits required for graduation are to be secured in accordance with the following arrangement:¹

A. Distribution

The Distribution Requirements are designed to insure that a certain amount of every student's course work will be distributed among each of six different general areas of knowledge. The range of courses which *Bachelor of Science* students may take to satisfy the Distribution Requirements is more limited than that open to *Bachelor of Arts* students as indicated by the separate listings of basic requirements below.¹

BASIC REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

- | | | |
|----|---|---------------------------|
| 1. | English Language and Composition
(Eng. 101, 102) | 6 semester credits |
| | English 201, 202, or Fine Arts 201, 202 | 6 semester credits |
| 2. | Ancient or Modern Foreign
Language | 12 or 18 semester credits |

NOTE: A student who enters college with less than *two* high school units of a foreign language must acquire

¹An entering freshman may receive a limited amount of credit or advanced placement in certain fields through satisfactory achievement on the Advanced Placement Tests of the College Entrance Examination Board or, in some instances, on other evidence of superior preparation in secondary school. These fields are Biology, Chemistry, English Composition, English Literature, American History, European History, Latin, Mathematics, French, German, Spanish, and Physics. Further information can be obtained from the Dean of Admissions.

eighteen semester credits in foreign language; at least twelve of these credits must be earned in one language. A student who enters with *two* or more high school units of a foreign language must acquire twelve semester credits in foreign language; at least six of these twelve credits must be obtained by continuing a language in which the student has obtained *two* or more high school units, *unless* the student elects to obtain all twelve credits in one language in college. It is strongly recommended that the continuation of a high school language should normally precede beginning of a new language.

No credits will be counted toward the degree for the first semester of an elementary foreign language unless followed by the successful completion of the second semester of that language.

- | | |
|--|---------------------|
| 3. Mathematics or Philosophy 201, 202 | 6 semester credits |
| 4. Biology, Chemistry, or Physics | 10 semester credits |
| 5. Physical Education 101, 102, 201, 202 | 4 semester credits |
| 6. Economics 201, 202; ¹ Government 201, 202; ² History 101, 102; or Sociology 201, 202. ³ (Any two of these courses) | 12 semester credits |

BASIC REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE

1. English Language and Composition (Eng. 101, 102)

	6 semester credits
English Literature (Eng. 201, 202)	6 semester credits
2. Foreign Language (French, German, Russian⁴)

	12 or 18 semester credits
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¹Freshmen may elect Economics 201, 202 with the approval of the head of the department.

²Freshmen may elect Government 201, 202 if they have completed *a year course in Modern European History* at either the secondary or college level.

³Freshmen may elect Sociology 201, 202 if they have completed *two units of secondary school preparation in social science courses*, including a minimum of one unit in World History and/or European History, or satisfactory achievement on the Advanced Placement Tests, or with the approval of the head of the department.

⁴Owing to limited instructional facilities, enrollment in Russian will be restricted. See page 207 under Russian 301, 302.

A student who enters college with less than *two* high school units of foreign language must acquire eighteen semester credits in foreign language (French, German, Russian); at least twelve of the credits must be earned in one of these languages. A student who enters with *two* or more high school units of a foreign language must acquire *twelve* semester credits in foreign language (French, German, Russian); at least *six* of these *twelve* credits must be obtained by continuing a language (French, German, Russian) in which the student has obtained *two* or more high school units unless the student elects to obtain all *twelve* credits in one of these languages in college.

No credits will be counted toward the degree for the first semester of an elementary foreign language unless followed by the successful completion of the second semester of that language.

- | | |
|--|---------------------|
| 3. Mathematics | 6 semester credits |
| 4. Biology, Chemistry, Physics (one continuous course) | 10 semester credits |

In addition to satisfying the Distribution Requirement in Science, a candidate for the B.S. degree *must take a continuous course in a second and different science* selected from this group in accordance with the requirements of the Department in which the student is concentrating.

- | | |
|--|---------------------|
| 5. Physical Education 101, 102, 201, 202 | 4 semester credits |
| 6. Economics 201, 202 ¹ ; Government 201,
202 ² , History 101, 102; or Sociology
201, 202. ³ (Any two of these courses) | 12 semester credits |

¹Freshmen may elect Economics 201, 202 with the approval of the head of the department.

²Freshmen may elect Government 201, 202 if they have completed *a year course in Modern European History* at either the secondary or college level.

³Freshmen may elect Sociology 201, 202 if they have completed *two units of secondary school preparation in social science courses*, including a minimum of one unit in World History and/or European History, or satisfactory achievement on the Advanced Placement Tests, or with the approval of the head of the department.

All students who have completed less than 45 semester credits in academic subjects (except part-time students and students enrolled in pre-professional programs approved by the College) must carry in each semester at least three of the courses (not including Physical Education) which meet these distribution requirements. Unavoidable exceptions to this regulation must be approved by the Committee on Academic Status.

English 101, 102 and Physical Education 101, 102 must be taken in the freshman year. Physical Education 201, 202 must be taken in the sophomore year.

B. Concentration

Before the end of the sophomore year each student shall select a major department in which he shall concentrate during his junior and senior years. The following rules shall govern concentration:

- (a) The whole program of concentration shall represent a coherent and progressive sequence.
- (b) The student in consultation with the head of his major department shall select the courses for concentration. Of these, at least thirty semester credits must be with the major department.
- (c) Each department may require as many as twelve additional semester credits in courses from that department or from other departments.

When a student concentrates in a field in which he has received credit for a distribution requirement, such credit shall be counted in the total field of concentration.

No student shall be permitted to apply toward a degree more than forty-two semester credits in a subject field. The subject fields include: Biology, Business Administration, Chemistry, Economics, Education, English, Fine Arts, French, German, Government, Greek, History, Latin, Law, Mathematics, Music, Philosophy, Physical Education for Men, Physics, Psychology, Sociology and Anthropology, Spanish.

No student shall be permitted to apply toward a degree more than twenty-one semester credits in technical courses in any one subject field nor in any one department.

C. Electives

Of the number of semester credits remaining for the completion of these degree requirements, at least nine semester credits must be chosen from departments other than those in which courses for concentration were selected.

III. FIELDS OF CONCENTRATION

Degree of Bachelor of Arts

The following departments are approved for concentration: Ancient Languages, Business Administration, Economics, Education, English Language and Literature, Fine Arts, Government, History, Law, Mathematics, Modern Languages,¹ Music, Philosophy, and Sociology and Anthropology.

NOTE: Students planning to concentrate in Modern Languages are required to take six semester credits of Latin or Greek.

Degree of Bachelor of Science

The following departments are approved for concentration: Biology, Chemistry, Mathematics, Physical Education for Men, Physics and Psychology.

Education (fifteen semester credits for teaching in the secondary school and eighteen semester credits for teaching in the elementary school) should be taken by students planning to teach.

NOTE: The twelve or eighteen semester credits of foreign language required for distribution must be taken in French or German or both by students planning to concentrate in Chemistry, with the exception of those who are preparing for medicine. Further, a reading knowledge of scientific German will be required of those students who wish to meet the minimum standards for professional training in Chemistry (see page 119).

Degree of Bachelor of Civil Law

For the requirements of this degree, see page 181.

¹The Department of Modern Languages offers concentration in French, German, and Spanish.

IV. HONORS PROGRAM

The Honors Program provides special opportunities for the intellectual stimulation and development of superior students in certain departments through independent study. Departments participating in the program during the 1959-1960 academic session are English, Government, History, Modern Languages, Philosophy, Psychology, and Sociology and Anthropology.¹ Students in this program may, as the result of distinguished work, be awarded a degree with "Honors," "High Honors," or "Highest Honors."

I. *Eligibility, Admission and Continuance in the Program*

- A. A student with a cumulative quality point average of 2.0 in academic subjects during the freshmen and sophomore years may declare his intention to take honors work at the time of registration for the junior year and will be assigned an advisor by the head of the department in question.
- B. At the beginning of his senior year, a student may be admitted to honors work in a department if he has a quality point average of 2.0 for the academic year immediately preceding and if he has satisfied his advisor and the other members of the department in which he wishes to work that he is an acceptable candidate, and if the department in question has sufficient available staff to provide for his instruction.
- C. The continuance of a student in the Honors Program is contingent on his maintaining what his major department judges to be a sufficiently high standard of work.

II. *Requirements*

- A. The minimum general requirements for a degree with honors are the following:
 1. Satisfactory completion of a course of reading and research supervised by a faculty member designated by the head of the student's major department.

¹See pages 153, 166, 171, 210, 222, 242, 250 for specific departmental requirements.

Requirements for Degrees

This course shall be taken during the entire senior year and shall carry three credits per semester. This course shall be designated as 495-496 in each department offering honors work.

2. Satisfactory completion of the degree requirements as specified on pp. 86-89.
3. Presentation of an Honors Essay or completion of an Honors Project acceptable to the major department. This requirement must be met by May 1 of the student's senior year.
4. Satisfactory performance in a comprehensive examination in the field of the student's major interest.

III. Examining Committee

- A. Each comprehensive examination shall be set and judged and each Honors Essay or Project shall be judged by an examining committee of not less than three members, including at least one member of the faculty of the candidate's major department and at least one faculty member from another department.
- B. Examining committees shall be appointed by the Dean of the Faculty.

IV. Standards

- A. Final determination of a student's standing with respect to honors shall rest with his examining committee. The committee shall take into account (1) the recommendation of the major department, (2) the recommendation of the major advisor, and principally (3) its own judgment of the comprehensive examination and essay or project.
- B. A minimum grade of "B" on both the comprehensive examination and the essay or project is required for "Honors." A minimum of one "A" on either the comprehensive or the essay or project is required for "High Honors," and "A" on both for "Highest Honors."
- C. When a student's work does not, in the opinion of the Committee, meet the minimum requirements for honors,

his papers are returned to the major adviser, who will determine what grade and credit, if any, should be granted.

V. GRADUATE STUDY¹

Students are admitted to graduate study either as candidates for a Master's Degree, or as unclassified students. It is recommended that a student who intends to become a candidate for the Master of Arts or Master of Education Degree, should make application before starting graduate work. All applications for candidacy for a Master's Degree are subject to the approval of the Committee on Graduate Studies and the recommendation of the head of the department in which the applicant plans to do his major work.

Degree of Master of Arts

The Master of Arts Degree is primarily a cultural degree, which involves an introduction to the methods of research.

The requirements for the degree of Master of Arts are as follows:²

- I. The applicant for admission to candidacy for the M.A. degree must have completed the requirement for a bachelor's degree in an institution of approved standing. He must have made a quality point average of 1.5 or its equivalent, and must have the recommendation of the head of the department in which he intends to do his main work (the department head may also request specific exceptions to the 1.5 average in the admission requirement). All applications are subject to review by the Committee on Graduate Studies.

¹The College of William and Mary is a Center, selected by The Carnegie Foundation for the Advancement of Teaching, in which the Graduate Record Examination is administered twice a year. This examination, a measure of general knowledge, is optional and may be taken by both graduate and undergraduate students to determine their probable success with advanced work.

²The special requirements for the degree of Master of Arts in English, History and in Physics are described on pages 153, 171, 236.

- II. Graduate work taken prior to admission to candidacy will be credited toward the M.A. degree only with the approval of the Committee on Graduate Studies.
- III. The head of the department in which the student concentrates will plan and approve the student's program.
- IV. A minimum residence period of one regular session or of four summer sessions of nine weeks each is required.
- V. At least twenty-four semester credits of advanced work, of which at least one-third have been earned in courses numbered above 500, with a quality point average of 2.0 are required for the M.A. degree. No credit will be given for any grade below C.
- VI. The student must present a thesis approved by the head of the department of concentration and by the student's examination committee. He must register for 560, Thesis, Hours to be Arranged, for at least one semester and may repeat this registration. This registration does not alter in any way the 24 credits in course work required for the M.A. Degree. The thesis must be submitted in final form for acceptance or rejection two weeks before the student expects to receive the degree. The degree will not be granted until two bound copies have been presented by the student to the Dean of the Faculty.
- VII. An examination covering the entire field of study is required. This examination is conducted by the student's examination committee.
- VIII. All requirements for the degree must be completed within a maximum period of six calendar years after commencing graduate study as a candidate for the degree.

NOTE: The student's major professor with two or more members of the faculty, appointed by the Chairman of the Committee on Graduate Studies in consultation with the head of the department in which the student concentrates, will act as his examination committee.

Degree of Master of Education

The program of study leading to the Master of Education degree is planned for students who wish to continue systematic professional study beyond the bachelor's degree in order to extend

their preparation for administrative, supervisory, counseling, and teaching positions. It is designed to provide broad, fundamental, and practical preparation for such positions, and to develop ability to utilize the contributions of philosophy and research in the solution of educational problems.

The requirements for the degree of Master of Education are as follows: Paragraphs I, II, III, IV, VII, and VIII of the requirements for the A.M. degree apply also to the M.Ed. degree. Requirements applicable specifically to the M.Ed. degree are:

- A. Applicants are eligible to undertake the M.Ed. program under the following conditions:
 1. The undergraduate program contains a minimum of 18 semester credits in education, including one year of practice teaching¹; or,
 2. The bachelor's degree held is B.S. in Education, and includes one year of practice teaching¹; or,
 3. Holders of the bachelor's degree, without professional training, upon the completion of two sessions of successful teaching may be accepted conditionally; in this case undergraduate courses in education on the basis of individual need may be required in addition to courses on the graduate level.
- B. At least twenty-seven semester credits of advanced work, of which at least one-third must be earned in courses numbered above 500, with a quality point average of 2.0 are required for the M.Ed. degree. No credit will be given for any grade below C. If in the judgment of the head of the Department of Education they are necessary to the professional training of the student, additional courses may be required.
- C. The student may present a report of a professional project approved by the Department of Education and by the student's examination committee. He must register for Education 530, Project, Hours to be Arranged, for at least one semester and may repeat this registration. This registration does not alter in any way the 27

¹Two sessions of successful teaching experience will be accepted in lieu of practice teaching.

credits in course work required for the M.Ed. degree. The project report must be submitted in final form for acceptance or rejection two weeks before the student expects to receive the degree. The degree will not be granted until two bound copies have been presented by the student to the Dean of the Faculty. The examination committee is to be organized as prescribed in the note following the Master of Arts requirements.

- D. With the approval of the head of the Department of Education, a student may elect to substitute additional course work for the thesis or professional project report referred to in Section C. Under this option a minimum of thirty semester credits of graduate work, of which at least one-third must be earned in courses numbered 500, and which must include Educ. 501-502, is required. Graduate credit in excess of the minimum may be required if in the judgment of the adviser it is necessary to the professional training of the student. A comprehensive examination covering the principal areas of study is required upon completion of the course work. The general requirements of the M.Ed. degree apply also to this option.





DIVISIONS OF INSTRUCTION

THE FACULTY of the College, for purposes of closer association in such matters as instruction, curriculum, and research, is organized by Divisions and Departments, as follows:

The Division of Humanities

This division comprises the following departments: Ancient Languages, English Language and Literature, Fine Arts, History, Modern Languages, Music, and Philosophy.

Officers of the Division: ANDREW C. HAIGH, *Chairman*;
ELIZABETH STUCKY, *Secretary*.

The Division of Social Sciences

This division comprises the following departments: Business Administration, Economics, Government, History, Jurisprudence, Philosophy, Secretarial Science, and Sociology and Anthropology.

Officers of the Division: W. WARNER MOSS, *Chairman*;
EDWIN RHYNE, *Secretary*.

The Division of Natural Sciences

This division comprises the following departments: Biology, Chemistry, Mathematics, Psychology, and Physics.

Officers of the Division: ALFRED R. ARMSTRONG, *Chairman*;
GRACE J. BLANK, *Secretary*.

The Division of Teacher Education

This division comprises the following departments: Education, Home Economics, Physical Education for Men, and Physical Education for Women.

Officers of the Division: DONALD J. HERRMANN, *Chairman*;
ALMA WILKIN, *Secretary*.

COURSES OF INSTRUCTION¹

Ancient Languages

PROFESSOR RYAN (*Head of the Department*). ASSOCIATE
PROFESSOR SELBY. INSTRUCTOR GOLDEN.

REQUIREMENTS FOR CONCENTRATION

A candidate for the A.B. degree with concentration in Ancient Languages will be expected to take at least 30 credits in Greek and Latin courses, with the majority of these credits in one of the two languages. Latin 408 or Greek 406, and 3 credits chosen from Greek-Latin 306 and Greek-Latin 307 are prescribed courses in the concentration. If the major emphasis is on Latin, at least one year of Greek should be taken; if on Greek, at least one year of Latin. The beginning or continuation of the study of modern foreign language in the freshman and sophomore years is advised. Prospective teachers of Latin should take Latin 405 (*Education S305*), *The Teaching of High School Latin*, and Latin 204, *Rome's Legacy to the World of Today*, should complete the requirements in Education for certification, and should prepare themselves in a second teaching field, preferably English or modern foreign language.

DESCRIPTION OF COURSES

LATIN

101, 102. *Elementary Latin*. Continuous course; lectures three hours; three credits each semester. Students who have

¹Courses of the 100 series are primarily for freshmen, 200 for sophomores, 300 and 400 for juniors and seniors. Courses of the 500 series are intended for graduate students only. Odd numbered courses are ordinarily offered in the first semester but may be offered in the second semester also; even numbered courses are ordinarily offered in the second semester but may also be offered in the first semester.

A continuous course covers a field of closely related material and may not be entered at the beginning of the second semester without approval of the instructor.

(*) Starred courses may be taken only with the consent of the instructor.

(†) Daggered courses may be taken only with the consent of the Chairman of the department concerned.

acquired two high-school units in Latin may not take Latin 101, 102 for credit. MR. SELBY and MR. GOLDEN.

The study of a standard series of tests designed for the first and second years of instruction, including the mastery of language structure and vocabulary, extensive reading of appropriate stories in Latin, including portions of *Caesar's Commentaries on the Gallic War*, and observation of Latin derivatives in English and the Romance Languages. Parallel study of pertinent aspects of Roman life and history, and of legacies left by Roman civilization to the modern world.

103, 104. *Grammar Review, Reading of Prose and Poetry*. Continuous course; lectures three hours; three credits each semester. Prerequisite: at least two units of high-school Latin or Latin 101, 102. MR. SELBY.

A course for students who have had two years of high-school Latin or the equivalent, and for more advanced students who wish to refresh their knowledge with a view of applying it to other subjects. A review of the elements of the language and the reading of passages from selected authors in the first semester (103) to be followed in the second semester by reading from Cicero, Vergil, and Ovid (104). Parallel study of Roman history and political institutions, and of their influence upon succeeding ages; of the ancient epic; and of the influence of the *Aeneid* upon subsequent literature.

201, 202. *Literature of the Republic and the Empire*. Continuous course; lectures three hours; three credits each semester. Prerequisite: three or four units of high-school Latin or Latin 103-104. MR. SELBY.

The reading of selections representative of the works of important writers in the periods of the Republic and the Empire, with particular emphasis upon the comedy and lyric poetry. A study of the literary types represented in Latin literature and of their influence upon the literature of later ages.

**Latin Literature Cycle*. Each course one semester; lectures three hours; three credits. MR. SELBY.

The following courses are offered as the needs and wishes of students in the Department in any year may demand. For all these courses, the completion of Latin 201 and 202 or the equivalent is prerequisite. In each course there is a parallel study of some phase of Roman life or thought. Those in the 400 group may be counted toward the A.M. degree when supplemented by additional parallel reading.

301. Cicero's and Pliny's *Letters*, The *Epigrams* of Martial.

302. Catullus and the Elegiac Poets.

304. Horace's *Odes* and *Epodes*, Vergil's *Eclogues*.

401. Horace's *Satires* and *Epistles*, Juvenal.

402. Tacitus, Suetonius.

403. Cicero's Philosophical Works, Seneca.

404. The Latin Epic—Vergil, Lucan, or Lucretius.

*405. *The Teaching of High School Latin*. Either semester; lectures three hours; three credits. (See Education S305.) MR. SELBY.

A detailed study of the Latin curriculum appropriate for high-school instruction; including the philosophy of curriculum construction, organization through "Themes" and "Topics," the correlation of a mastery of the elements of language with an understanding of Roman culture and its legacy to the modern world, the selection of reading and supplementary materials, the use of audio-visual methods, and correlation with other fields of study. Lectures and workshop.

*408. *Advanced Syntax and Composition*. Either semester; lectures three hours; three credits. MR. SELBY.

A review of syntactical principles and drill in the writing of idiomatic Latin.

†500. *Special Topics*. Any semester; three credits for each course. MR. SELBY.

Courses of distinctly graduate character. Open from time to time to such candidates for the A.M. degree as are prepared to carry on individual study and research.

A: Epic Poetry of the Republic; B: Post-Augustan Epic Poetry; C: Satire and the Novel; D: Palaeography; E: Problems of Textual Criticism.

GREEK

101, 102. *Elementary Greek*. Continuous course; lectures three hours; three credits each semester. MR. RYAN and MR. GOLDEN.

The elements of the Greek language with translation of stories and poems from selected readers. Parallel study of aspects of Greek civilization and of the legacy left by Greek culture and thought to the modern world.

201. *Representative Prose Writers*. First semester; lectures three hours; three credits. Prerequisites: Greek 101, 102 or equivalent. MR. RYAN.

The reading of selected passages from such writers as Herodotus, Xenophon, Lysias, and Plato, together with continued study of forms, syntax, and composition. A review of the history of Greek Literature through reading in translation. The latter part of this course is spent in preparing the student for the reading of Homer.

202. *Homer*. Second semester; lectures three hours; three credits. Prerequisite: Greek 201 or equivalent. MR. RYAN.

The reading of selected books of the *Iliad* or the *Odyssey*. A study of Homeric civilization, of the literary qualities of the poems, and of their influence upon subsequent literature.

**Greek Literature Cycle*. Each course one semester; lectures three hours; three credits. MR. RYAN.

The following courses are offered as the needs and wishes of students in the Department in any year may demand. For all of these courses, the completion of Greek 201, 202 or the equivalent is prerequisite. In each course there is a parallel study of some phase of Greek life or thought. Those in the 400 group

when supplemented by additional parallel reading may be counted toward the M.A. degree.

301, 302. The Drama—Aeschylus, Sophocles, Euripides, Aristophanes.

401. Philosophy—Plato.

402. New Testament—The Gospels, Acts, and Epistles.

403. Historians—Herodotus, Thucydides.

404. Lyric Poetry.

*406. *Advanced Syntax and Composition*. Either semester; lectures three hours; three credits. MR. RYAN.

A review of syntactical principles and drill in the writing of idiomatic Greek.

CLASSICAL CIVILIZATION

The following courses are offered as being of general cultural value as well as essential to an understanding of Classical civilization. *A knowledge of Latin and Greek is not required*. These courses, except Latin 204, may be counted to the extent of six semester credits on a concentration in Latin or Greek, but will not absolve the language requirements for a degree. They are open to *sophomores, juniors, and seniors* and, when supplemented by parallel study, may be counted to the extent of three semester credits toward the M.A. degree.

Latin 204. *Rome's Legacy to the World of Today*. Second semester; lectures three hours; three credits. MR. SELBY.

A survey of the outstanding aspects of ancient Roman civilization, based upon a study of the influences from the Latin language and from Roman literature, institutions, and architecture manifested in the life of the world today. Does not require a knowledge of Latin. Primarily for freshmen (with special permission) and sophomores. Supplementary reading required for junior or senior credit. (Alternates with Greek 303.)

Greek 303. *Greek Civilization and Its Heritage*. First semester; lectures three hours; three credits. MR. RYAN.

An evaluation of the Greek heritage in the modern world, primarily for students who have had neither Greek nor Latin. The mythology and history, the social and economic problems, and the literature and art of Greece are discussed and interpreted with emphasis upon their influence, direct and indirect, on modern civilization and upon their value not only for the better understanding of modern social and economic problems, but also for the fuller appreciation of English literature. (Alternates with Latin 204. Not offered in 1959-1960.)

Greek-Latin 306. *Greco-Roman Archaeology and Art*. Lectures three hours; three credits. MR. SELBY.

The study—by means of illustrated lectures, readings, and reports—of the nature of archaeological research; of the tangible remains of Greek and Roman civilization and art; of the aesthetic principles underlying their production; and of the influence of Greek and Roman art upon the art of subsequent periods.

Greek-Latin 307. *Our Heritage of Greek and Roman Literature*. Lectures three hours; three credits. MR. SELBY.

A survey of chosen masterpieces from the Greek and Roman literatures as a revelation of the thought and culture of Greece and Rome, and of the heritage left by them to the modern world. Lectures and readings in translation. Designed as the first half of a course in foreign literature in translation.

Greek 311, Latin 312. *The Ancient World*. Continuous course; lectures three hours; three credits each semester. MR. RYAN.

Ancient Civilization from prehistoric times to the downfall of the Roman Empire. The first semester deals with the ancient Orient and Greece, up to 338 B.C.; the second semester deals with Alexander, the Hellenistic World, and Rome. This course is the same as History 301, 302.

Biology

PROFESSOR BALDWIN (*Head of the Department*). ASSOCIATE
PROFESSOR BLANK. ASSISTANT PROFESSORS
BURGER, BYRD and SPEESE.

VIRGINIA FISHERIES LABORATORY¹

PROFESSOR McHUGH.² LECTURERS ANDREWS, BAILEY,
BREHMER³, HARGIS and VAN ENGEL.

REQUIREMENTS FOR CONCENTRATION

A minimum of 40 credits is required for concentration in Biology: Biology 101, 102 (10 credits), Biology 301 (4 credits), Biology 306 or 312 (4 credits), and Biology 401 (4 credits) must be included. A maximum of 10 credits may be approved in other departments for courses above the 100-level to be completed with a minimum grade of "C." Courses above the 405-level are intended primarily for the advanced student who expects to specialize in Marine Biology; these courses are conducted by the Staff of the Virginia Fisheries Laboratory.

SPECIAL CONCENTRATION PROGRAMS

- I. Professional Botany—Biology 101, 102, 206, 301, 312, 401, and electives; Chemistry 101, 102, 301, 302; Mathematics 101, 102; Physics 101, 102.
- II. Professional Microbiology or Bacteriology—Biology 101, 102, 201, 301, 302, 306, 315, 401; Chemistry 101, 102, 201, 202, 301, 302; Mathematics 101, 102.
- III. Professional Zoology—Biology 101, 102, 301, 306, 401, and electives; Chemistry 101, 102, 301, 302; Mathematics 101, 102; Physics 101, 102.
- IV. Marine Biology—Biology 101, 102, 201, 202, 301, 306, 315, 401; Chemistry 101, 102, 201, 301, 302; Mathematics 101, 102; Physics 101, 102.

¹See also pages 267-269.

²Resigned, January, 1959.

³Appointed, January, 1959.

- V. Preparation for Medicine, Dentistry, and Public Health—Biology 101, 102, 201, 202, and electives; Chemistry 101, 102, 301, 302; Mathematics 101, 102; Physics 101, 102.
- VI. Pre-Forestry¹ (Three-Year Program)—Biology 101, 102, 206, 301 or electives, 312, 401; Chemistry 101, 102; Mathematics 101, 102; Physics 101, 102.
- VII. General Medical Technology—Biology 101, 102, 201, 301, 306, 315, 401; Chemistry 101, 102, 201 and 202 or 301 and 302; Mathematics 101, 102.
- VIII. General Medical Technology (Two-Year Program)—Biology 102, 301, 302, 306; Chemistry 101, 102, 301; Mathematics 101, 102.
- IX. Pre-Professional Nursing (Two-Year Program)—Biology 102, 201, 306; Chemistry 101, 102; Sociology 201, 202, 302, 303; Psychology 201.

DESCRIPTION OF COURSES

101, 102. *Introductory Biology*. Continuous course; lectures three hours; laboratory four hours; five credits each semester. MR. BALDWIN and staff for botanical phase of course, first semester. MR. BURGER and staff for zoological phase, second semester.

Structure and functions of the cell, structure and physiology of the flowering plant, survey of the plant kingdom; cells and tissues, morphology and physiology of a typical animal, survey of the animal kingdom.

201. *Comparative Anatomy of Vertebrates*. First semester; lectures three hours, laboratory six hours; four credits. Prerequisite: Bio. 102. MR. BYRD.

Phylogenetic study of the development of the different systems of the higher vertebrates. Dissections and demonstrations by the student.

¹In cooperation with School of Forestry, Duke University. See page 263.

202. *Embryology of Vertebrates*. Second semester; lectures three hours, laboratory six hours; four credits. Prerequisite: Biology 201 or consent of instructor. MR. BYRD.

Description and analysis of development in representative vertebrate embryos. Lectures and laboratory on the normal development of the frog, chick, and man; lectures, discussions, and experiments designed to illustrate the general principles governing growth and development.

206. *Plant Taxonomy*. Second semester; lectures two hours, laboratory six hours; four credits. Prerequisite: Biol. 101. MR. BALDWIN.

Phyletic relationships of flowering plants and of ferns; principles of classification; collection and identification of representative native plants.

*208. *Morphology and Phylogeny of Plants*. Second semester; lectures two hours, laboratory six hours; four credits. Prerequisite: Biol. 101. MR. BALDWIN and MISS SPEESE.

The morphology of representative plants from the various groups is studied in the laboratory and in the field. Some experiments are performed.

210. *Economic Botany*. Second semester; lectures three hours; three credits. Prerequisite: Biol. 101. MR. BALDWIN.

Centers of origin of cultivated plants; the systematic relations, geography, diseases, and economics of various plants, and discussion of their products.

301-302. *Microbiology*. Continuous course; lectures three hours, laboratory six hours; four credits. Prerequisites: Biol. 101, 102 and Chem. 101, 102 for Biol. 301; Biol. 301 for Biol. 302, and organic chemistry recommended. MISS BLANK.

The morphology, physiology, taxonomy, ecology, isolation, and culture of viruses, rickettsia, bacteria, yeasts, lower "molds," and pathogenic protozoa.

305. *Human Anatomy and Physiology*. First semester; lectures three hours, laboratory four hours; four credits. Prerequisite: a year of one of the introductory sciences. MISS BLANK.

Principles of the skeletal, muscular, circulatory, respiratory, and nervous systems as related to Physical and Health Education.

306. *Animal Physiology*. Second semester; lectures three hours, laboratory four hours; four credits. Prerequisites: Biol. 102 and General Chemistry; Comparative Anatomy of Vertebrates, Organic Chemistry, and General Physics recommended. MISS BLANK.

Principles governing animal activities, behavior, and ecological adjustments. Training in the use of instruments is given; physiological experiments are performed.

311. *Animal Ecology*. First semester; lectures two hours, laboratory six hours; four credits. Prerequisites: Biol. 101, 102; Invertebrate Zoology recommended. STAFF.

Relationships of animals to each other and to their environments. Recognition and description of representative biotic communities.

312. *Plant Physiology*. Second semester; lectures two hours, laboratory six hours; four credits. Prerequisites: Biol. 101 and General Chemistry. MISS SPEESE.

Diffusion, osmosis, imbibition, transpiration, soils and soil-water relations, photosynthesis, digestion, translocation, respiration, and growth.

315. *Invertebrate Zoology*. First semester; lectures three hours, laboratory six hours; four credits. Prerequisite: Biol. 102. STAFF.

The morphology and ecology of representative types of invertebrates are studied in the field and in the laboratory.

*401. *Genetics*. First semester; lectures three hours, laboratory six hours; four credits. Prerequisites: Biol. 101, 102. MR. BALDWIN and MISS SPEESE.

Principles of heredity, variation, and evolution; hybridization experiments to demonstrate laws of heredity.

402. *Cytogenetics*. Second semester; lectures two hours, laboratory six hours; four credits. Prerequisite: Biol. 401. MR. BALDWIN and MISS SPEESE.

Components of cells as related to genetics. Preparation and study of chromosomes.

†403. *Problems in Biology*. All semesters; hours to be arranged; credit according to performance. Staffs of the Department of Biology and of the Virginia Fisheries Laboratory.

Supervised projects selected to suit the needs of the individual student. Training in biometry, taxonomic methods, parasitology, and other subjects that staff members are qualified to teach, is offered under this category by special arrangement.

COURSES IN MARINE BIOLOGY

The courses listed below are primarily for the advanced student who plans to make Marine Biology his specialty. They are given at the Laboratory at Gloucester Point. As a supplement to the formal courses given below, the A.M. candidate will be given instruction in physical-chemical oceanography as available through the cooperation of the Chesapeake Bay Institute of The Johns Hopkins University, and in biometry under Biology 403. The special announcement issued by the Laboratory should be consulted for further details. Application for admission should be made to the Director, Virginia Fisheries Laboratory, Gloucester Point, Virginia.

*406. *Physiology of Marine Animals*. Summer session; lectures, laboratory, and field trips 20 hours; four credits. Prerequisite: consent of the instructor. MR. RAMSEY.

*408. *Biology of Fishes*. Second semester; lectures, laboratory, and field trips 20 hours; four credits. Prerequisites: 13 credits in biology; Comparative Anatomy of Vertebrates desirable. MR. ANDREWS.

An introduction to the general biology of fishes. Classification, distribution, location, respiration and excretion, food and growth, reproduction, migrations and populations.

*410. *Marine and Freshwater Invertebrates*. Summer session; lectures, laboratory, and field trips 20 hours; four credits. Prerequisite: Biol. 315, or Comparative Anatomy of Invertebrates. MR. HEWATT.

Classification and identification, adaptations, ecology, life histories. Local marine, estuarine, and freshwater forms emphasized.

*501. *Marine Biology Seminar*. All semesters; hours to be arranged; one credit each semester, maximum three credits. Required of graduate students each semester in residence. Prerequisite: graduate standing. MR. MCHUGH.

The organization and public presentation of scientific data.

*502. *Fisheries Biology*. Second semester; lectures and laboratory eight hours; four credits. Prerequisites: 13 credits in biology, and statistics or biometry. MR. VAN ENGEL.

Introduction to the theory of fishing and the collection of vital statistics. Age determination, rates of growth, fecundity and age at maturity, migrations, tagging and marking, mortality and recruitment, fluctuations in abundance, fishing gears, and sampling problems.

*560. *Thesis*. All semesters; hours to be arranged; no credit. Prerequisite: graduate standing.

Original research in marine biology or fisheries. Project to be chosen in consultation with the student's major professor and the head of the biology department.

Business Administration

PROFESSORS GIBBS (*Head of the Department*) and COREY.
ASSOCIATE PROFESSORS KING (*Director, Bureau of Business Research*) and QUINN. ASSISTANT PROFESSOR
ENGLE.

Experience and reason support the view that training for a successful career in business must rest upon a comprehensive education in the fields of human knowledge. Accordingly, the College of William and Mary requires during the first two years virtually the same program of liberal arts studies for students who plan to concentrate in Business Administration as it does for all other students. The last two years of more specialized work emphasizes the fundamental principles of Business Administration. The Department of Business Administration cooperates with the Marshall-Wythe School of Law and offers a four year program in Pre-Law leading to the A.B. degree in Business Administration, a five year program leading to the degree of Master of Arts in Taxation, and a seven year program with preparation for both Bar and C.P.A. examinations and Master of Law and Taxation.

BUREAU OF BUSINESS RESEARCH

The Bureau of Business Research was formally recognized on September 1, 1958, as an integral part of the Department of Business Administration. Its major objective is to provide a research and educational service by the College to the business community and the general public by periodically conducting research studies of a business and economic nature and publishing such studies.

REQUIREMENTS FOR CONCENTRATION

For a concentration in Business Administration, 30 semester credits are required in courses in Business Administration.¹ Every

¹The student may satisfy this requirement by taking 27 semester credits in Business Administration if he takes Contracts in the Marshall-Wythe School of Law instead of Business 421.

student is required to take a core program of courses outlined below, which is designed to give a broad and comprehensive understanding of the major areas of business activity in our modern industrial society. Also, the student is required to choose one of the fields of specialization; namely, general business, accounting, marketing, management, insurance or pre-law as outlined on pages 112-113. The specialized programs of concentration require 15 semester credits in business administration courses, except in accounting which requires 19 semester credits, and are designed to give the student additional knowledge and understanding of one of the numerous areas of specialized business activity. Although the program as provided allows either 25 or 29 semester credits of free electives to be taken in the Junior and Senior years in any department of the college, concentrators are advised to take Economics 201-202 in their sophomore year as these courses are prerequisites for many courses in Business Administration.

CORE REQUIREMENTS FOR ALL BUSINESS ADMINISTRATION CONCENTRATORS

Accounting (Bus. 201-202).....	6
Management (Bus. 327).....	3
Marketing (Bus. 311).....	3
Business Law (Bus. 421 or Contracts).....	3
Statistics (Econ. 331).....	3
Money and Banking (Econ. 301).....	3
Corporate Finance (Econ. 423).....	3

RECOMMENDED PROGRAM FOR THE FIRST TWO YEARS

FRESHMAN YEAR

English Language and Composition (Eng. 101, 102).....	6
Foreign Language.....	6
History of Europe ¹ (History 101, 102) or Mathematics 101, 102.....	6
Biology, Chemistry, or Physics.....	10
Physical Education.....	2

 30

¹Students electing History 101, 102 must take Philosophy 201, 202 or Mathematics 101, 102 in the sophomore year.

SOPHOMORE YEAR

English Literature (Eng. 201, 202), or Introduction to Fine Arts (Fine Arts 201, 202).....	6
Foreign Language.....	6
History of Philosophy (Phil. 201, 202), Mathematics (Math. 101, 102), Introduction to Government and Politics (Govt. 201, 202), or History of Europe (History 101, 102).....	6
Principles of Economics (Econ. 201, 202).....	6
Principles of Accounting (Bus. 201, 202).....	6
Physical Education.....	2
	<hr/>
	32

SPECIALIZED PROGRAMS OF CONCENTRATION

ACCOUNTING

Intermediate Accounting (Bus. 301, 302).....	6
Business Law (Bus. 422) or (Contracts and Sales ¹).....	3
Cost Accounting (Bus. 403).....	4
Six hours to be chosen from Bus. 401, 402, 404, 405, 406. Additional hours will be necessary to meet educational requirements for the CPA examination...	6
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	19

GENERAL BUSINESS

Fifteen semester credits including the General Business Seminar to be chosen from the following Business Administration courses in consultation with the faculty adviser.

Marketing Principles and Problems (Bus. 312).....	3
Advertising (Bus. 313).....	3
Sales Management (Bus. 414).....	3
Personnel Management (Bus. 411).....	3
Problems in Personnel Management (Bus. 412).....	3
Personal Insurance (Bus. 317).....	3
Property Insurance (Bus. 318).....	3
Production Management (Bus. 425).....	3
Government and Business Enterprise (Bus. 426).....	3
Business Cycles (Bus. 431).....	3
General Business Seminar (Bus. 428).....	3
Business Law (Bus. 422) or Contracts and Sales.....	3
Casualty Insurance (Bus. 419).....	3
Taxation (Bus. 406).....	3
Traffic Management (Bus. 328).....	3

¹Offered by the Marshall-Wythe School of Law.

MANAGEMENT

Sales Management (Bus. 414).....	3
Personnel Management (Bus. 411).....	3
Production Management (Bus. 425).....	3
Business Seminar (Bus. 428).....	3
Traffic Management (Bus. 328).....	3

15

MARKETING

Marketing Principles and Problems (Bus. 312).....	3
Advertising (Bus. 313).....	3
Sales Management (Bus. 414).....	3
Business Seminar (Bus. 428).....	3
Business Cycles (Bus. 431).....	3

15

INSURANCE

Sales Management (Bus. 414).....	3
Personal Insurance (Bus. 317).....	3
Property Insurance (Bus. 318).....	3
Casualty Insurance (Bus. 419).....	3
Business Seminar (Bus. 428).....	3

15

PRE-LAW

Intermediate Accounting (Bus. 301, 302).....	6
Government and Business (Bus. 426).....	3
Personal Insurance (Bus. 317).....	3
Business Seminar (Bus. 428).....	3

(By carefully choosing his electives, a student following this program may qualify for the A.B. degree in four years and the B.C.L. degree in six years.)

DESCRIPTION OF COURSES

201, 202. *Principles of Accounting.* Continuous course; lectures two hours, laboratory two hours; three credits each semester. MR. ENGLE, MR. GIBBS, MR. QUINN.

A study of the elementary principles and procedures of individual proprietorship, partnership, and corporation accounting.

301, 302. *Intermediate Accounting.* Continuous course; lectures three hours; three credits each semester. Prerequisite: Bus. 201, 202. MR. GIBBS.

An analysis of balance sheets and profit and loss statements, together with the theory of valuation underlying the various accounts used in these statements.

311, 312. *Marketing Principles and Problems*. Continuous course; lecture three hours; three credits each semester. Prerequisites: Econ. 201, 202. MR. KING.

The work of marketing; structure and functions of distribution; planning marketing activities; problems in marketing management.

313. *Advertising*. Both semesters; lectures three hours; three credits each semester. MR. KING.

The relationship of demand stimulation to modern business management; building promotional programs; selection and use of media; measurement of results and control of efforts.

317. *Personal Insurance*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. COREY.

A survey course dealing primarily with life insurance; the organization of the business, types of contracts, policy provisions and matters pertaining to reserves, surplus and dividends and investments. Specific attention is given to industrial, health, and major medical expense plans. Individual group, business life insurance, and pension plans are studied and evaluation is made of taxation and regulatory measures of state and federal government.

318. *Property Insurance*. Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. COREY.

A course which surveys the field of property insurance with special attention to the fire, ocean marine, and inland marine contracts and allied lines. Matters pertaining to insurance finance and the organization and practices of insurance carriers are also included.

327. *Introduction to Management*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. ENGLE.

A survey of the general field of business management. Emphasis is placed on the internal organization and basic principles of management. Special attention is given to the interrelationships among personnel, production, sales, and financial problems.

328. *Traffic Management*. Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202; or consent of the instructor. MR. ENGLE.

A study of the problems involved in the management of traffic operations. Among the topics covered are shipping, receiving, expediting, routing, tracing, claims, tariffs. Special attention is given to the management methods of organization and administration used in transportation.

401. *Advanced Accounting*. First semester; lectures three hours; three credits. Prerequisites: Bus. 201, 202, 301 and 302; or permission of the instructor. MR. GIBBS.

The study of accounting for partnerships, consignments, insurance, receivers' accounts, and actuarial science.

402. *Advanced Accounting*. Second semester; lectures three hours; three credits. Prerequisites: Bus. 201, 202, 301, 302 and 401; or permission of the instructor. MR. GIBBS.

Consolidated statements, estate accounting, and foreign exchange, together with an analysis of a number of problems given on the recent C.P.A. examinations are contained in this course.

403. *Cost Accounting*. First semester; lectures four hours; four credits. Prerequisites: Bus. 201, 202. MR. QUINN.

The fundamentals of job order, process, and standard cost accounting are taught through the use of problems and practice set materials. Use of cost accounting data for management purposes is stressed.

404. *Auditing*. Second semester; lectures three hours; three credits. Prerequisites: Bus. 201, 202 and 301, or permission of the instructor. MR. QUINN.

This course is designed to give the student a working knowledge of auditing procedures through the application of auditing principles. Standards and ethics of the public accounting profession and the preparation of audit reports are emphasized.

405. *Municipal and Governmental Accounting*. First semester; lectures three hours; three credits. Prerequisites: Bus. 201, 202. MR. QUINN.

Principles and practices of fund accounting are developed with emphasis upon their adaptation to state and local governmental units and institutions.

406. *Taxation*. Second semester; lectures three hours; three credits. MR. ATKESON.¹

A study of Federal income, social security, gift, and estate taxes with emphasis upon the determination of taxable income and the relationship with commercial accounting. This course is the same as the course listed by the Marshall-Wythe School of Law as *Federal Taxation*.

408. *Survey of Accounting*. Second semester; lectures three hours; three credits. MR. QUINN.

A survey of the general field of accounting, incorporating principles of double-entry bookkeeping, basic accounting for corporations and small business firms, and analysis of financial statements. This is the same course as that listed by the Marshall-Wythe School of Law as *Legal Accounting*; it is designed to meet the needs of students concentrating in fields other than Business Administration. Open to students of academic junior or senior standing.

411. *Personnel Management*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202; or consent of instructor. MR. ENGLE.

A course in the principles and human relations problems involved in the administration of personnel. Among the topics

¹Professor of Taxation.

included are job analysis and specification; recruitment, selection, training and supervision of employees; job evaluation and wage and salary administration; employee representation and joint relations.

412. *Problems in Personnel Management.* Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202; or permission of instructor. MR. ENGLE.

This course is designed to familiarize the student with the human relations problems encountered in managing employees, and to develop in the student an administrative philosophy and knowledge of personnel techniques which would enable him to handle these problems.

414. *Sales Management.* Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. KING.

Sales research, organization, operation, control, and promotion; formulation of sales policies.

419. *Casualty Insurance.* First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. COREY.

This course presents an analysis of hazards, policies, insurers, and rates in those coverages usually referred to as casualty insurance. Detailed study is given to workman's compensation and employer's liability, automobile, general public liability, glass, power plant, accident and health, and burglary, theft and robbery insurance. The organization of the carriers, their practices and problems involved in the regulation of the business are also studied.

421. *Business Law I.* First semester; lectures three hours; three credits.

A study of the more important aspects of the law of contracts, agency, and negotiable instruments. Excerpts from selected statutes, textual matter, problems, and cases will be used as a basis for discussion and analysis.

422. *Business Law II.* Second semester; lectures three hours; three credits. Prerequisite: Business Law I.

This course is a continuation of Business Law I. Topics studied are partnerships, corporations, property, sales, security transactions, suretyship, insurance, trusts and estates, business torts, trade regulations, and labor law.

425. *Production Management*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. ENGLE.

A course designed to familiarize the student with the production phase of business activity. Primary emphasis is on the internal aspects of the production department, but the relation of production to the other phases of the business are also considered.

426. *Government and Business Enterprise*. Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. SANCETTA.¹

A study of the economic, legal, and political aspects of government regulation and taxation of, aid to, and competition with private business. This is the same course as Economics 426 and the course listed by the Marshall-Wythe School of Law as *Government Regulation of Business*.

Bus. 428. *Seminar in Business Economics*. Both semesters; hours to be arranged; three credits. MR. ENGLE.

This course is required of all concentrators in Business Administration, except students in the specialized program of accounting, during the last semester of the senior year. It gives opportunity, through independent investigation and research and the preparation of a paper, to integrate principles studied in college courses and to relate them to particular areas of business in which the student may have a special interest.

431. *Business Cycles*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202, and 331. MR. COREY.

The survey of cyclical fluctuations in American business activity, with particular stress upon their history, causes, and proposed methods of stabilization. This is the same course as Economics 431.

¹Associate Professor of Economics.

Chemistry

PROFESSOR GUY (*Head of the Department*). ASSOCIATE PROFESSORS ARMSTRONG AND HARRELL. ASSISTANT PROFESSORS CANHAM and GOODFRIEND.
STOCK-KEEPER KATZ.

REQUIREMENTS FOR CONCENTRATION

The minimum number of semester hours required for concentration in Chemistry (except for pre-medical students) is thirty-seven and must include Chemistry 101, 102, or 111; 201, 202; 301, 302; 401, 402; Mathematics 201, 202; Physics 101, 102. At least three additional semester hours of chemistry must be chosen from Chemistry 303; 403, 404; 406; 407; 408; 409; 410. German or French or both are to be taken in satisfaction of the foreign language distribution requirement. A reading knowledge of German is highly desirable. It is strongly urged that Chemistry 201, 202 be taken in the sophomore year.

SPECIAL CONCENTRATION PROGRAMS

I. PROFESSIONAL TRAINING

The department is listed among those approved by the Committee on Professional Training of the American Chemical Society and those graduates who have met certain minimum standards established by this Committee may be certified to the Society for recognition by them as having received undergraduate professional training in chemistry. To meet these standards this concentration program must include Chemistry 101, 102, or 111; 201, 202; 301, 302; 401, 402; Mathematics 201, 202; Physics 101, 102 and sufficient additional chemistry to comprise the equivalent of at least sixty lecture hours (any two courses chosen from Chemistry 303, 403, 404, 408 or Chemistry 408, 410), and at least forty-five laboratory hours (Chem. 406 or Chem. 407). A reading knowledge of scientific German is also required.

II. PREPARATION FOR MEDICINE, DENTISTRY, AND
PUBLIC HEALTH

The minimum number of semester hours for pre-medical students concentrating in chemistry is thirty. This program must include Chemistry 101, 102, or 111; 201, 202; 301, 302 and at least eight additional semester hours from Chemistry 201; 303; 401, 402; 403, 404; 406; 407; 408; 410. (Physics 101, 102 and Mathematics 201, 202 are prerequisites for Chemistry 401, 402.) German or French or both are to be taken to satisfy the foreign language distribution requirement.

DESCRIPTION OF COURSES

101,102. *Elementary General Chemistry*. Continuous course; lectures three hours, laboratory four hours; five credits each semester. MR. GUY and MR. CANHAM.

An introduction to the study of the common non-metallic and metallic elements with emphasis upon chemical laws and the development and application of chemical principles.

111. *General Chemistry*. First semester; lecture three hours, laboratory four hours; five credits. Prerequisite: evidence of mastery of high school chemistry. MR. GOODFRIEND.

A development of chemical principles through an intensive study of theory and empirical evidence.

201, 202. *Analytical Chemistry*. Continuous course; lectures two hours, laboratory six hours; four credits each semester. Prerequisites: Chem. 101, 102 or 111. MR. ARMSTRONG and MR. GOODFRIEND.

Chemical equilibrium and qualitative analysis. Theory and practice of gravimetric and volumetric analysis. Additional lectures and laboratory hours will make it possible for students who require quantitative but not qualitative analysis to take Chem. 202 without Chem. 201. (Both Chem. 201 and Chem. 202 will be offered each semester.)

301, 302. *Organic Chemistry*. Continuous course; lectures three hours; laboratory five hours; four credits each semester. Prerequisites: Chem. 101, 102 or 111. MR. HARRELL.

Chemistry of the various organic functions. Reactivity is correlated with electronic and three-dimensional aspects of compounds of carbon.

303. *History of Chemistry*. First semester; lecture two hours; two credits. Prerequisite: two years of college chemistry. MR. ARMSTRONG.

Lectures, assigned reading and written reports on the history of chemistry and the development of chemical theory.

401, 402. *Physical Chemistry*. Continuous course; lectures three hours, laboratory four hours; four credits each semester. Prerequisites: one year of college physics, quantitative analysis, and calculus. MR. GUY and MR. CANHAM.

Gases, liquids and solids; chemical equilibrium; thermochemistry; chemical kinetics; atomic structure; electrochemistry.

403. *Introduction to Quantum Chemistry*. First semester; lecture two hours, recitation one hour; two credits. Prerequisite: three years of college chemistry. MR. GOODFRIEND and MR. CANHAM.

A study of atomic and molecular structure, chemical bonding, and atomic and molecular spectra from the standpoint of modern theory.

404. *Advanced Inorganic Chemistry*. Second semester; lecture two hours, recitation one hour; two credits. Prerequisite: Chemistry 403 or consent of Instructors. MR. CANHAM and MR. GOODFRIEND.

A study of the properties of substances based on an understanding of chemical bonding from the standpoint of modern theory.

406. *Advanced Quantitative Analysis*. Second semester; lecture one hour, laboratory four hours; two credits. Prerequisites: Chem. 201, 202. MR. ARMSTRONG.

A treatment of selected topics including electrolytic separations, organic analytical reagents and physico-chemical methods.

407. *Advanced Organic Chemistry*. First semester; lectures three hours; three credits. Prerequisites: Chem. 301, 302. MR. HARRELL.

Theoretical treatment of selected compounds and reactions. Recent developments are emphasized.

408. *Qualitative Organic Analysis*. Second semester; lecture one hour, laboratory six hours; three credits. Prerequisites: Chem. 202, 301, 302. MR. HARRELL.

A study of a systematic method of identification of organic compounds with application of the method to individually-assigned samples.

409. *Introduction to Chemical Research*. Any semester; hours to be arranged; credits according to the work accomplished. STAFF.

A course for the advanced student affording an opportunity for individual work on an assigned problem.

410. *Chemical Literature*. Second semester; lecture one hour; one credit. Prerequisite: five semesters of college chemistry. MR. GOODFRIEND.

An introduction to the principal sources of chemical literature (journals, abstracts, handbooks, patents, etc.) and to the methods of conducting literature searches.

Economics

PROFESSORS SOUTHWORTH (*Head of the Department*) and COREY.
ASSOCIATE PROFESSORS HIRSCH, OWEN and SANCETTA.

REQUIREMENTS FOR CONCENTRATION¹

Concentration in Economics must include Econ. 201, 202, 301, 302, 331, and 434. The Department of Economics and the Marshall-Wythe School of Law cooperate in offering a five-year course in Economics and Taxation (see p. 191). Through a cooperative five-year plan with the Massachusetts Institute of Technology (see p. 259) opportunity is also provided for an integrated program in Economics and Engineering.

DESCRIPTION OF COURSES

102. *Economic History of the American People*. Second semester; lectures three hours; three credits. MR. SANCETTA.

This course explores and analyzes the economic growth of the United States from the colonial period to the present. Particular emphasis is placed on the economic factors contributing to American industrial growth.

201, 202². *Principles of Economics*. Continuous course; lectures three hours; three credits each semester. This course is a prerequisite to all courses in Economics except Econ. 102, 303, 305, 331, 332, and 408. MR. SOUTHWORTH, MR. COREY, MR. HIRSCH and MR. OWEN.

This course deals with the theory of market price, the theory of distribution, the theories of money and banking and of foreign trade and foreign exchange, as well as the practical problems associated with these aspects of economic systems. Labor problems, transportation, the trust problem, public finance, and pos-

¹Those wishing to take the U. S. Civil Service Examination for Junior Economist should choose courses under departmental guidance.

²Econ. 201, 202 must be chosen by those electing Economics in satisfaction of distribution requirements.

sible reforms in the economic system as a whole are also studied. Special attention is given to current economic problems during the second semester.

301, 302. *Money and Banking*. Continuous course; lectures three hours; three credits each semester. Prerequisites: Econ. 201, 202. MR. SOUTHWORTH, MR. SANCETTA.

The nature of money, its origin and development; monetary standards, gold, bimetallism, and managed currency; the theory of value of money, the elements of foreign and domestic exchange, the principles of banking, the history of the development of the American banking system and the elements of monetary and banking policy as expressed in central banking and Treasury activities.

303. *World Resources*. First semester; lectures three hours; three credits. MR. SANCETTA.

A functional appraisal of the availability of agricultural and industrial materials in terms of the economic, social and technological factors affecting their use.

305. *Economic History of Europe*. First semester; lectures three hours; three credits. MR. OWEN.

The objective of this course is to give the student an understanding of modern European economic problems in the light of the historic development of Europe. The emphasis is on the economic history of Europe in the twentieth century.

317. *Personal Insurance*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. COREY.

A survey course dealing primarily with life insurance; the organization of the business, types of contracts, policy provisions and matters pertaining to reserves, surplus and dividends and investments. Specific attention is given to industrial, health, and major medical expense plans. Individual group, business life insurance, and pension plans are studied and evaluation is made of taxation and regulatory measures of state and federal government.

318. *Property Insurance*. Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. COREY.

A course which surveys the field of property insurance with special attention to the fire, ocean marine, and inland marine contracts and allied lines. Matters pertaining to insurance finance and the organization and practices of insurance carriers are also included.

331.¹ *Elementary Principles and Methods of Statistics*. Both semesters; lectures three hours, laboratory two hours; three credits each semester. MR. HIRSCH.

A survey of the basic tools of statistical research including graphs, frequency distribution, sampling, index numbers, time series, and simple linear correlation. The emphasis is on practical application.

332.¹ *Advanced Methods in Statistics*. Second semester; lectures three hours; laboratory two hours; three credits. Prerequisite: Econ. 331. MR. HIRSCH.

A more intensive study of some of the topics considered in the first course, and in addition, some aspects of small sample theory, chi-square, analysis of variance, and non-linear, multiple and partial correlation will be considered. Examples will be taken from the fields of marketing research, quality control, opinion polls, and economic research. (Not offered in 1958-1959.)

401. *Transportation*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202.

A survey of the fundamentals of transportation, including the economics of transportation development, service rates, and regulation, with attention to problems of transportation policy. (Not offered in 1958-1959.)

403. *History of Economic Thought*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. HIRSCH.

¹Those who take the U. S. Civil Service Examination for Junior Statistician must present 6 semester credits in Statistics.

A survey of economic thought from medieval times to the twentieth century. An attempt is made to read the great masterpieces of economics within the context of the times in which they were written. Special attention is given to the works of Smith, Ricardo, Malthus, John Stuart Mill, Karl Marx, and W. Stanley Jevons.

404. *Contemporary Economic Thought*. Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. HIRSCH.

Alfred Marshall's *Principles* is the point of departure. After a detailed study of the Marshallian system including its fundamental assumptions, consideration is given to theories of monopolistic and imperfect competition, indifference curve analysis and general equilibrium theory, twentieth century monetary theory and the theories of John Maynard Keynes. The last part of the semester is devoted to a study of the major contributions of the American "Institutionalist" school. An attempt is made to relate the theories with the social problems to which they were the intellectual responses.

405. *Comparative Economic Systems*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. OWEN.

Capitalism, Utopian, Marxian, and State Socialism; Communism, Fascism, The British Socialist Economy; The Economy of the Soviet Union.

407. *Labor Economics*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. OWEN.

The structure and objectives of both labor and management; collective bargaining; public control of labor relations; labor in politics; wage determination; social security.

408. *Labor Law*. Second semester; lectures three hours; three credits. (The same as *Labor Law*, p. 188.) MR. WHYTE.¹

A study of cases, embracing the development of labor law; the right to strike, picket, boycott; antitrust laws and labor;

¹Professor of Law.

labor injunctions; Federal and state labor relations acts; arbitration. Special emphasis is placed upon decisions of the United States Supreme Court.

415. *International Economics*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. OWEN.

This course develops the theory of international trade from the Mercantilists to the modern economists. The objective of the course is to give the student basic knowledge of analytical materials used by economists in the study of international economic problems.

416. *International Trade and Policies*. Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. OWEN.

This course analyzes historically problems in tariffs and other protectionist devices, the effect of economic development on the pattern of world trade; problems in balance of payments equilibrium, foreign exchange, and international finance. Particular attention is focused on international economic developments since World War II.

419. *Casualty Insurance*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. COREY.

This course presents an analysis of hazards, policies, insurers, and rates in those coverages usually referred to as casualty insurance. Detailed study is given to workman's compensation and employer's liability, automobile, general public liability, glass, power plant, accident and health, and burglary, theft and robbery insurance. The organization of the carriers, their practices and the problems involved in the regulation of the business are also studied.

421. *Public Finance*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. SOUTHWORTH.

The nature and application of the fundamental principles which apply to the obtaining, managing, and disbursing of the

funds necessary for the performance of governmental functions. The American tax system is given detailed consideration.

422. *National Financial Policy*. Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202.

This course is primarily concerned with the policies of the Federal Reserve System and the Treasury in regard to the control of credit and the management of the public debt. It is preferable that the student should have had Econ. 301, 302, and 421, though they are not required as prerequisites. (Not offered in 1958-1959.)

423. *Corporation Finance*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. SANCETTA.

Topics covered include a brief history of corporate development; type of security issued; promotion, capitalization, ownership, management; sales and regulation of securities; income, working capital requirements, corporate expansion; failure and reorganization. Attention is given to the impact of taxation on corporate financing and to corporate responsibilities affecting the public interest.

424. *Investments*. Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. SANCETTA.

This course is designed to aid the student in developing a broad perspective in the area of investment of personal and family savings. Studies are made of investment features of stocks, bonds, real estate, and other savings outlets; operation and regulation of securities markets; sources of investment information; securities price theories, and the effect of taxation upon investment policy.

426. *Government and Business Enterprise*. Second semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202. MR. SANCETTA.

A study of the economic, legal, and political aspects of government regulation of, aid to, and competition with private





business. This is the same course as Business 426 and the course listed by the Marshall-Wythe School of Law as Government Regulation of Business.

431. *Business Cycles*. First semester; lectures three hours; three credits. Prerequisites: Econ. 201, 202, and 331. MR. COREY.

The survey of cyclical fluctuations in American business activity, with particular stress upon their history, causes, and proposed methods of stabilization.

434. *Seminar*. Both semesters; hours to be arranged; three credits. Required of all concentrators in Economics during the senior year. MR. COREY.

Education

PROFESSORS OLIVER (*Head of the Department*) and HOLLAND.
ASSOCIATE PROFESSORS CANNON, DAVIS, HERRMANN and
McCARTHA. ASSISTANT PROFESSORS GALFO and Mc-
MURRY. SUPERINTENDENT OF THE WILLIAMSBURG
SCHOOLS J. RAWLS BYRD. PRINCIPAL OF THE
MATTHEW WHALEY SCHOOL JEANNE ETHE-
RIDGE. PRINCIPAL OF THE JAMES
BLAIR HIGH SCHOOL GEORGE PITTS.

The following principles are considered fundamental in the functioning of the Department of Education:

1. A general background of content in liberal arts courses is a necessary prerequisite to professional training.

2. In addition to the materials and methods courses, the professional training of the teacher demands a knowledge of the significant facts in the following fields:

- a. Psychology, for an understanding of the basic principles of learning and behavior;
- b. Philosophy, for an understanding of the theory underlying teaching practice;
- c. Sociology and History, for an understanding of the school as a social institution.

3. Supervised teaching in elementary or high school classes provides the opportunity for experience in all phases of a teacher's responsibilities and for the development of a working point of view toward education.

The student teaching for the Department of Education is done at The Matthew Whaley School and the James Blair High School under the supervision of the faculties of the Department and the Schools.

ADMISSION REQUIREMENTS

Junior academic standing and a quality of scholarship considered satisfactory for successful teaching are required for admission. Under certification regulations of the Virginia State Board of Education, the credits earned in achieving Junior standing must include a minimum of 12 semester credits in English; 12 semester credits in social studies, including *History of the United States*; 6 semester credits¹ in natural science and/or mathematics; 6 semester credits in health and physical education, and six semester credits² in Music, foreign language, and/or art (fine or practical). Courses in music and fine arts need not be taken prior to enrolling in the Department of Education but may be included in any year of the student's program. Beginning July 1, 1960, students preparing to teach in the elementary school must have, in addition to the credits specified in the preceding sentences, 3 semester credits in Children's Literature and 3 semester credits in Geography.

HEALTH AND PHYSICAL EDUCATION

The Virginia certification requirement in this area may be satisfied by 4 semester credits in required physical education plus Educ. 317—Health Education for Teachers. Other states have a similar requirement in health and physical education; therefore, students preparing to teach in states other than Virginia should include the suggested courses in their programs.

BUREAU OF RECOMMENDATIONS

The College maintains a Bureau of Recommendations to assist its graduates who plan to teach. No registration fee is charged, and all students who expect to teach are strongly urged to avail themselves of this service. If the students file complete records and cooperate with the Bureau, the College can be of assistance to those who go into teaching, not only at graduation but at later times.

¹Beginning July 1, 1960, an applicant must have completed six semester credits in Natural Science (one year minimum) and six semester credits in Mathematics.

²Effective July 1, 1960.

CERTIFICATION

The courses required for concentration in Education meet the professional requirements for certification in the State of Virginia. *Current certification regulations of the State of Virginia permit other patterns of professional courses in meeting certification requirements; non-concentrators in Education should consult the Head of the Department when enrolling for such courses.* When students enroll for professional courses to meet certificate requirements in states other than Virginia, they should consult a member of the faculty of the Department of Education.

REQUIREMENTS FOR CONCENTRATION

ELEMENTARY EDUCATION

The following courses are required for concentration in Elementary Education: Education 301, E302, E304, E305, 317, E401-402 A or B, 404; Music 320 or 321, and Fine Arts 331.

Concentrators in Elementary Education, in consultation with members of the staff of the Department of Education, should elect courses in other departments, which should include intermediate and advanced courses in at least one subject field and preferably in two fields.

SECONDARY EDUCATION

The following courses are required for concentration in Secondary Education: Education 301, S302, 317, S401-402, S403, 404, 411. The remainder of the thirty hours required for concentration will be taken in intermediate or advanced courses in the field in which the student expects to teach.

Concentrators in Secondary Education desiring to qualify for teaching in a single field should select from courses normally accepted for concentration in the department concerned a minimum of twenty-four semester hours, which must include at least one or more courses at the advanced level.

Concentrators desiring to qualify for teaching in two fields, or in one field and student counseling, should elect in one field a minimum of twenty-four semester hours, including one or more courses at the advanced level, and in the second field the number of semester hours required by the state in which the student expects to teach for certification in that field.

In planning programs designed to prepare for teaching in one or two fields the cooperation of heads of other departments will be sought.

CONCENTRATORS IN OTHER DEPARTMENTS

Concentrators in departments other than Education may elect courses in Elementary or Secondary Education to qualify for a teaching certificate. Such students should select courses with Education catalogue numbers from the sequences listed on pages 133-134. (Reference should be made, also, to the section headed "Certification" on page 132.)

SUGGESTED COURSE SEQUENCES
FOR TEACHING IN ELEMENTARY SCHOOLS

JUNIOR YEAR

	<i>Semester Credits</i>
Education 301—Human Development and Learning.....	3
Education E302—Fundamentals of Elementary Education.....	3
Education E304—Materials and Methods in Elementary School.....	3
Education 317—Health Education for Teachers.....	3
Music 320—Music for Elementary School Teachers.....	} 3
or	
Music 321—Music in the Elementary School.....	
or	} 15
Fine Arts 331—Principles of Functional Design.....	
Electives.....	

SENIOR YEAR

Education E305—Materials and Methods in Elementary School.....	3
¹ Education E401-A, E402-A—Supervised Teaching, Primary Grades.....	} 6
or	
¹ Education E401-B, E402-B—Supervised Teaching, Upper Elementary Grades.....	
Education 404—Foundations of Education Practice.....	3
Music 320, or 321, or Fine Arts 331.....	3
Electives.....	15
Total.....	
	60

¹Students in Elementary Education who are planning to do eight weeks full-time supervised teaching should reserve Educ. 317, Educ. E305, and Educ. 404 to be taken in the same semester of the senior year as that in which student teaching is done.

FOR TEACHING IN SECONDARY SCHOOLS

JUNIOR YEAR

	<i>Semester Credits</i>
Education 301—Human Development and Learning.....	3
Education S302—Fundamentals of Secondary Education.....	3
Education 317—Health Education for Teachers.....	3
Education 411—Guidance and Personnel Work in Schools.....	3
Courses in a teaching field and electives to complete program.....	18

SENIOR YEAR

Education S403—Methods of Teaching in the Secondary School.....	3
Education S401, S402—Supervised Teaching.....	6
Education 404—Foundations of Education Practice.....	3
Courses in a teaching field and electives to complete program.....	18
Total.....	60

NOTE: The required courses in Education for teachers in Physical Education are indicated in the statement of requirements for concentration made by that Department under "Courses of Instruction."

PROGRAM FOR GRADUATE STUDY

The student planning a course in advanced study leading to the degree of Master of Education should include in his program fifteen or eighteen semester hours of work in four basic fields of Education, distributed approximately as follows:

I. Foundations of Education	3 sem hrs.
II. Guidance and Evaluation	6 sem hrs.
III. Curriculum and Teaching	3 sem. hrs.
IV. Educational Research	3 or 6 sem. hrs.

In addition, the student will complete a minimum of twelve semester hours in a selected field of emphasis. The suggested fields of emphasis are: school administration, supervision of instruction, curriculum and instruction, guidance and counseling, and child development. Teachers who desire to secure greater

competency in the content of a teaching field may include in their field of emphasis advanced courses in other subject fields of the College. Appropriate subjects are: Ancient Languages, Biology, Chemistry, English, Fine Arts, Mathematics, Modern Languages, Physical Education, Physics, and Social Studies. For other requirements of the M.Ed. degree, see pages 94-95.

Students planning a course in advanced study leading to the Degree of Master of Arts with specialization in Education should take at least fifteen semester hours of professional work; the remaining portion of the 24 semester hours required for this degree should be in a related field. Courses in addition to the minimum specified in the preceding sentence may be required if deemed necessary by the head of either of the Departments concerned. The planning of a program for each student will receive attention in order to make provisions for his interests. For special requirements of the M.A. degree see pages 93-94.

Education 501 is required of all students doing advanced work in the Department of Education. If the optional program (see page 92, Sec. D) is elected by the student, Education 502 is also required. Education 505, Education 506 and Education 508 are required of all students who desire to do advanced work in Secondary School Administration or Supervision. Education 509, 510 is required of all students preparing to be superintendents. Education 507 and 511, 512 are required of those preparing for administration and supervision in elementary education. Students wishing to specialize in the field of guidance and personnel should build their programs around Education 414, 423, and Psychology 402.

	<i>Semester Credits</i>
Education 404—Foundations of Education Practice	3
Education 415—Evaluation of Instruction	3
Education 423—Individual Appraisal for Guidance Pur- poses	3
Education 501—Research Methods in Education	3
Education 502—Scientific Study of Educational Problems	3
Education 505—Curriculum Organization—Secondary School	3
Education 506—Supervision of Instruction	3

	<i>Semester Credits</i>
Education 507—The Organization and Administration of Elementary Schools	3
Education 508—The Organization and Administration of Secondary Schools	3
Education 509, 510—Educational Administration and School Finance	6
Education 511, 512—Curriculum Organization and Super- vision in Elementary Education	6

DESCRIPTION OF COURSES

GENERAL COURSES

301. *Human Development and Learning*. First semester; lectures three hours; three credits. MR. HOLLAND, MR. McCARTHA, MR. McMURRY.

Beginning course in both Elementary and Secondary Education. Human growth and development; the psychology of learning; observation of children in school and community situations.

317. *Health Education for Teachers*. Both semesters; lectures three hours; three credits. MR. GALFO.

This course deals with various aspects of health with which all teachers are concerned as professional workers with children in the school environment and as members of the school staff. Appropriate topics related to maintenance of health, control of disease, health agencies and the school health program will be studied.

404. *Foundations of Education Practice*. Both semesters; lectures three hours; three credits. MR. HOLLAND.

A course planned to trace the development of the concept of the worth of the individual through the sociological, historical and psychological aspects of our culture. Out of this background will be developed a philosophy underlying modern public education.

411. *Guidance and Personnel Work in Schools.* Either semester; lectures three hours; three credits. MR. HERRMANN, MR. CANNON.

A study of the fundamental principles of pupil guidance and current practices in school systems. Emphasis will be placed on the teacher's responsibilities in a program of guidance. This course is intended for students without previous courses in Guidance.

SECONDARY EDUCATION

S302. *Fundamentals of Secondary Education.* Second semester; lectures three hours; three credits. MR. GALFO, MR. HOLLAND.

Growth of American secondary schools; aims and functions of Secondary Education; mental and physical equipment of secondary school pupils; the secondary school curriculum; problems and reorganization movements in Secondary Education.

S401, S402. *Supervised Teaching.* Continuous course; five days a week; three credits each semester. Prerequisites: senior standing, nine semester credits in Education; fifteen semester credits in each academic subject to be taught. MR. GALFO.

S403. *Methods of Teaching in the Secondary School.* First semester; lectures three hours; three credits. Prerequisite: fifteen semester credits in the subject of teaching choice. MR. HOLLAND, MR. GALFO.

The course deals with problems of organizing instruction, selecting and using materials, and guiding learning in the several subject fields of the secondary curriculum. This course is required of all students preparing to teach in the secondary school.

ELEMENTARY EDUCATION

E302. *Fundamentals of Elementary Education.* Second semester; lectures three hours; three credits. MISS DAVIS, MR. MCCARTHA, MR. MCMURRY.

The growth of the elementary school in America; the aims of education in general; the unique function and characteristics

of the elementary school; curriculum-making and elementary school organization; school and community relations; and the professional development of elementary school teachers.

E304. *Materials and Methods in the Elementary School.* Either semester; lectures three hours; three credits. Education 301 and E302 must precede or be taken as parallel courses. Miss DAVIS, Mr. McCARTHA, Mr. McMURRY.

This course deals with the psychology of learning; the principles of teaching; planning the classroom programs; and methods and materials in the various areas in which learning experiences are provided for child development, such as: language arts, social studies, mathematics, science, health and physical education, and practical and fine arts.

E305. *Materials and Methods in the Elementary School.* First semester; lectures three hours; three credits. Miss DAVIS, Mr. McCARTHA, Mr. McMURRY.

Continuation of E304. See description of preceding course for prerequisite and description of this course.

E401-A, E402-A. *Supervised Teaching, Primary Grades.* Continuous course; five days a week; three credits each semester. Prerequisites: Educ. E301, E302 and E304, E305, or parallel courses. Miss DAVIS.

E401-B, E402-B. *Supervised Teaching, Upper Elementary Grades.* Continuous course; five days a week; three credits each semester. Prerequisites: Educ. E301, E302 and Educ. E304, E305, or parallel courses. Miss DAVIS.

SPECIAL AND ADVANCED COURSES

402. *Educational Psychology.* Second semester; lectures three hours; three credits. Mr. HARCUM.¹

The application of psychological principles to classroom teaching. Topics include: learning and transfer, child development, methods of measuring individual differences and achievement, and the adjustment of the teacher. This is the same course as Psychology 412.

¹Assistant Professor of Psychology.

414. *Techniques of Counseling*. Second semester; lectures three hours; three credits. Prerequisite: Educ. 423 or equivalent. MR. HERRMANN, MR. CANNON.

An intensive study of techniques used in counseling with students. The course includes a study of techniques of effective interviewing and of techniques of assisting students in gaining insights into their personal problems. Extensive use is made of case data.

415. *Evaluation of Instruction*. First semester; lectures three hours; three credits. MR. HERRMANN, MR. McMURRY.

This course is designed to develop competence in constructing valid and reliable teacher-made tests to measure achievement of the pupils and to use attitude and interest inventories.

419. *Mental Hygiene in the Classroom*. Either semester; lectures three hours; three credits. MISS DAVIS, MR. HERRMANN, MR. McCARTHA.

Study of the conditions under which wholesome mental and emotional growth takes place, and ways in which the classroom environment can contribute to such growth.

420. *School and Community Relationships*. Either semester; lectures three hours; three credits. STAFF.

Study of the important contributions to education which community institutions and agencies other than the school can make, and ways in which these contributions may be realized.

423. *Individual Appraisal for Guidance Purposes*. First semester; lectures three hours; three credits. MR. HERRMANN.

A study of tools and techniques which may be used by teachers and counselors to improve their understanding of the problems of individual students. Includes interpretation of case data.

424. *Measurement in Education*. Either semester; lectures three hours; three credits. MR. McMURRY.

An introduction to the use of standardized instruments for measuring mental ability, scholastic achievement, special

aptitudes, and pupil interest. The course deals with test selection, administration and scoring, interpretation and application of test results in teaching and guidance.

501. *Research Methods in Education*. Either semester; lectures three hours; three credits. MR. HERRMANN, MR. HOLLAND, MR. OLIVER.

A study of the several methods and techniques generally employed in research with especial reference to their application in the solution of education problems. This course is required of all graduate students in Education. For those students electing the optional program Educ. 502 is required in addition to Educ. 501.

502. *The Scientific Study of Educational Problems*. Either semester; lectures three hours; three credits. MR. HERRMANN, MR. HOLLAND, MR. OLIVER.

This course is designed to introduce students to the application of scientific methods in Education and to provide experience in selecting problems, and in planning limited research studies in this field. This course in addition to Educ. 501 is required of all graduate students in Education electing the optional program.

505. *Curriculum Organization—Secondary School*. Either semester; lectures three hours; three credits. MR. MCCARTHA.

A major course for teachers, principals, and supervisors. The course will deal with the philosophy underlying curriculum organization and with recent theories and practices in public junior and senior high schools for the improvement of the curriculum.

506. *Supervision of Instruction*. Either semester; lectures three hours; three credits. MR. MCCARTHA, MR. MCMURRY.

A major course for supervisors, principals, and administrative assistants in the elementary and secondary school, or for those preparing for these positions. This course will deal especially with the functions of the supervisor in curriculum revision and

in the improvement of instruction. It will deal also with the supervisory responsibilities of principals and administrative assistants.

507. *The Organization and Administration of Elementary Schools.* Either semester; lectures three hours; three credits. MISS DAVIS, MR. McCARTHA.

A major course for teachers, principals, supervisors, and administrative assistants in the elementary school. The course will deal especially with the duties of the elementary principal as an administrator.

508. *The Organization and Administration of Secondary Schools.* Second semester; lectures three hours; three credits. MR. GALFO.

A major course for teachers, principals, and administrative assistants in the secondary school. This course will deal especially with the duties of the principal as an administrator.

509, 510. *Educational Administration and School Finance.* Continuous course; lectures three hours; three credits each semester. MR. McCARTHA, MR. OLIVER.

Required major course in advanced work for students preparing to be school superintendents. Problems in organization and finance of state, county, and city school systems will be considered.

511, 512. *Curriculum Organization and Supervision in Elementary Education.* Continuous course; lectures three hours; three credits each semester. MISS DAVIS.

The course deals with planning and organizing the curriculum of the elementary school, and with the supervisory procedures involved in working with teachers and others individually and in groups, in the interest of improving instruction.

517. *The Informational Services in Guidance Programs.* Either semester; lectures three hours; three credits. MR. HERRMANN.

A study of the occupational structure of our society, of factors influencing vocational choice, and of techniques for providing educational and occupational information to students. Both individual and group activities will be stressed.

518. *Organization of Guidance Programs.* Second semester; lectures three hours; three credits. Prerequisite: Educ. 411, or equivalent. MR. HERRMANN.

A study of the procedures involved in organizing and developing guidance programs in schools.

*519. *Seminar in Guidance Problems.* Either semester; hours to be arranged; credits according to work done. Prerequisite: approval of instructor. MR. HERRMANN, MR. CANNON.

Planned for students who wish to undertake the study of special problems related to guidance and counseling.

530. *Project.* Hours to be arranged. MR. OLIVER.

560. *Thesis.* Hours to be arranged. MR. OLIVER.

EXTENSION PROGRAMS

The Department of Education offers on-campus and off-campus courses designed to meet the needs of school personnel in service and students who are unable to enroll in the regular sessions of the College. For students who are regularly enrolled in programs leading to a bachelor's or master's degree at the College of William and Mary these courses carry degree credit in conformity with the degree requirements of the College; other students receive extension credit. Classes may be scheduled in the evening or on Saturday morning as the groups enrolled may desire.

The College of William and Mary in cooperation with the University of Virginia offers graduate professional courses in the centers at Norfolk, Newport News, and Richmond. Credits earned in these courses may be applied to professional graduate degree programs at either institution up to a maximum of 9 semester hours. A student planning to enroll in any of these

courses for credit on a program leading to a graduate degree should obtain admission to graduate study and secure approval of the course by his graduate adviser at the institution from which he wishes to receive the degree in order to be assured of receiving degree credit.

A special bulletin giving full details concerning the on-campus and off-campus programs may be secured by writing to Dr. Geo. J. Oliver, Director of Extension, College of William and Mary.

EXTENSION COURSES—1957-1958

FIRST SEMESTER

- In Norfolk County: *Workshop on Audio-Visual Instructional Aids*. MISS POWELL.
- At Warwick: *Workshop on Materials and Methods in the Elementary School*. MISS DAVIS, MRS. BURFORD.
- At Warwick: *Workshop on Curriculum Development—Elementary School*. MISS DAVIS, MRS. BURFORD.
- At Hampton Center: *Children's Literature*. MISS AYRES.
- At Hampton Center: *School and Community Relationships*. MR. METCALF.
- At Hampton Center: *Introductory Sociology*. MR. REISS.
- At Hampton Center: *Abnormal Psychology*. MR. REESE.
- At Hampton Center: *Grammar, Composition and Literature*. MRS. BRINKLEY.
- At Warwick: *Materials and Methods in the Elementary School*. MISS DAVIS.
- At Warwick: *Problems of Instruction—Science*. MR. DAVIS.
- At Ft. Monroe: *World Resources*. MR. DROST.
- At Eastville: *School and Community Relationships*. MR. WISE.
- At Accomac: *Problems of Instruction—General*. MR. WESCOTT.
- At Portsmouth Center: *Mental Hygiene*. MRS. MCCARTHA.

- At Portsmouth Center: *Problems of Instruction—Language Arts.*
MRS. McCARTHA.
- At Portsmouth Center: *Problems of Instruction—General.* MR.
McCARTHA.
- At Portsmouth Center: *Curriculum Development—Elementary
School.* MR. McCARTHA.
- At Portsmouth Center: *Principles of Psychology.* MR. TONELSON.
- At Portsmouth Center: *Problems—Psychology.* MR. REESE.
- At Portsmouth Center: *Introduction to Government and Politics.*
MR. DOYLE.
- At Portsmouth Center: *Grammar, Composition and Literature.*
MR. BOWMAN.
- At Portsmouth Center: *English Literature.* MR. WILSON.
- At Portsmouth Center. *Trigonometry.* MR. MITCHELL.
- At Princess Anne Center: *Problems of Instruction—General.*
MR. BEERY.
- At Princess Anne Center: *Children's Literature.* MISS WHYTE.
- At Princess Anne Center: *Trigonometry.* MR. HATFIELD.
- At Princess Anne Center: *English Literature.* MR. WILSON.
- At Princess Anne Center: *Problems in Art Education.* MISS
VAUGHAN.
- At Norfolk: *Foundations of Education Practice.* MR. FINK.
- At South Norfolk: *Educational Psychology.* MR. BEDINGER.
- At Saluda: *The Teaching of Virginia History.* MISS HUNNICUTT.
- At Mathews: *Measurement in Education.* MR. McMURRY.

SECOND SEMESTER

- At Hampton Center: *Grammar, Composition and Literature.*
MISS BOYENTON.
- At Hampton Center: *Introductory Sociology.* MR. REISS.

- At Hampton Center: *Human Growth and Development*. MR. McMURRY.
- At Hampton Center: *Audio-Visual Instructional Aids*. MR. BEERY.
- At Hampton Center: *Problems of Instruction—General*. MISS DAVIS.
- At Warwick: *Problems of Instruction—Art*. MRS. FRIEDEN.
- At Princess Anne Center: *Human Growth and Development*. MR. BRITTON.
- At Princess Anne Center: *Children's Literature*. MISS WHYTE.
- At Princess Anne Center: *Audio-Visual Instructional Aids*. MR. DAVIS.
- At Princess Anne Center: *The Junior High School*. MR. BRITTON.
- At Princess Anne Center: *College Algebra*. MR. SMITH.
- At Princess Anne Center: *Calculus*. MR. MITCHELL.
- At Princess Anne Center: *Audio-Visual Instructional Aids*. MR. BEERY.
- At Norfolk: *Mental Hygiene*. MR. McCARTHA.
- At Norfolk: *Developmental Reading*. MRS. McCARTHA.
- At Norfolk: *Foundations of Education Practice*. MRS. YARBOROUGH.
- At Norfolk: *Developmental Reading*. MRS. FISCHER.
- At South Norfolk: *School and Community Relationships*. MR. METCALF.
- At Richmond: *Problems of Instruction—Science*. MR. STANFIELD.
- At Richmond: *Problems of Instruction—Library*. MISS PRESTON.
- At Richmond: *Elementary Russian*. MR. OUSTINOFF.
- At Eastville: *Techniques of Counseling*. MR. WISE.
- At Suffolk: *Problems of Instruction—Mathematics*. MR. BEERY.
- At Hopewell: *Developmental Reading*. MISS BLAND.

- At Portsmouth Center: *Problems of Instruction—Science*. MR. STANFIELD.
- At Portsmouth Center: *Problems in Art Education*. MISS VAUGHAN.
- At Portsmouth Center: *Human Growth and Development*. MR. McCARTHA.
- At Portsmouth Center: *Measurement in Education*. MR. McMURRY.
- At Portsmouth Center: *Introduction to Philosophy*. MRS. McCARTHA.
- At Portsmouth Center: *Introduction to Government and Politics*. MR. DOYLE.
- At Portsmouth Center: *Grammar, Composition and Literature*. MISS DAUGHERTY.
- At Portsmouth Center: *English Literature*. MR. WILSON.
- At Portsmouth Center: *College Algebra*. MR. HENNESSEY.
- At Portsmouth Center: *European History*. MR. DOYLE.
- At Portsmouth: *Workshop in Teaching of Virginia History*. MR. WISE.
- At Portsmouth: *Workshop in Children's Literature*. MISS KING.
- At Hampton: *Workshop in Measurement in Education*. MISS COOKE.
- At Hampton: *Workshop in Problems of Instruction—Mathematics*. MISS ADKINS.
- At Hampton: *Workshop in Problems of Instruction—Science*. MR. McDERMOTT.
- In Norfolk County: *Workshop in Audio-Visual Instructional Aids*. MRS. GIEDEMANN.
- At Princess Anne: *Workshop in Problems of Instruction—Social Studies*. MISS DAVIS, MISS LAPERÉ.

English Language and Literature

PROFESSORS CLARK (*Head of the Department*), JONES and NEIMAN. ASSOCIATE PROFESSORS DAVIDSON, EVANS, FOERSTER and McCULLEY. ASSISTANT PROFESSORS JENKINS, SMITH and THOMPSON. INSTRUCTORS BULLOCK, CLIFTON, EMMA, HEMMENS and SLAUGHTER. LECTURERS CROCKER, ELLIOTT and SANCETTA.

REQUIREMENTS FOR CONCENTRATION

A concentration in English requires thirty-six hours in courses beyond English 101, 102, or 103, 104. English 201-202 and English 209 are required. At least eighteen hours must be selected from courses numbered 350 or above; at least six of these eighteen hours must be selected from courses numbered in the 400 series. Candidates for Honors must elect English 495, 496 as the six required hours in the 400 series.

DESCRIPTION OF COURSES¹

101, 102. *Grammar, Composition and Literature*. Continuous course; lectures three hours; three credits each semester. STAFF.

English 101, 102 is designed for the student who has had no more than the usual training in grammar, composition and literature. The course covers a careful review of central principles of grammar and rhetoric, the writing of themes and a research paper, the reading and discussion of selected prose and analysis of the literary types of the short story, the novel, the drama and poetry.

103, 104. *Grammar, Composition and Literature*. Continuous course; lectures three hours; three credits each semester. STAFF.

English 103, 104 is designed for the able student who had previously received and profited from unusually thorough training in grammar and composition. The course covers incidental

¹Students will normally complete the distribution requirements in English before beginning any 300 courses in English.

correction of individual faults in grammar and rhetoric but is primarily designed to give as full a scope as possible for individual writing ability. The course substitutes for review of grammar, a greater amount of reading in good literature, both for the inherent value of this activity and for its bearing on development of individual skill in composition.

Students are assigned by the Department of English to English 103, 104 on the basis of high achievement on a theme of about five hundred words and on a standardized English proficiency test.

201, 202. *English Literature*. Continuous course; lectures three hours; three credits each semester. STAFF.

A survey of English literature, with collateral readings, discussions and reports.

*209. *Composition*. Both semesters; lectures three hours; three credits. MR. FOERSTER and others.

Practice in writing under criticism; regular themes and conferences. The chief stress is placed on expository writing. (This course is open to all students of the sophomore level and above.)

303. *Epic and Romance*. First semester; lectures three hours; three credits. MR. THOMPSON.

A study of two major literary forms, with especial reference to *The Aeneid*, *The Divine Comedy*, and *Don Quixote*.

304. *Aspects of the European Novel and Drama*. Second semester; lectures three hours; three credits. MR. THOMPSON.

A study with special reference to problems of form, of several plays, and novels of continental Europe, chiefly of the nineteenth century.

305. *The Bible*. First semester; lectures three hours; three credits. MR. EVANS.

A study of selected portions of the Old and New Testaments.

307. *Practical Criticism*. First semester; lectures three hours; three credits. MR. JENKINS.

A study of selected literary works, the reading of criticism about those works, examination of standards of literary judgment and the criteria of various literary and critical schools, and the writing of original critiques of selected literary forms.

311. *English Grammar, Historical and Descriptive*. First semester; lectures three hours; credit three hours. MR. FOERSTER.

A general survey of the development of English grammar and language with particular emphasis on modern grammar and syntax.

*329, 330. *Advanced Writing*. Continuous course; lectures three hours; three credits each semester. MR. JONES.

This course is intended for the student who has demonstrated some talent for writing. He is encouraged to develop his individual interests and creative capacities. Extensive practice in the several types of writing. The course is conducted as a seminar; manuscripts are read and criticized informally by members of the class.

*333, 334. *Writing the Short Story*. Continuous course; lectures three hours; three credits each semester. MR. CLARK.

A workshop course in the problems and techniques of writing short fiction, designed for those who expect to write as a hobby or as a career. Class discussion, conferences, and criticism by the class of one another's manuscripts.

351. *Medieval Literature*. First semester; lectures three hours; three credits. MR. DAVIDSON.

A survey of Old and Middle English literature exclusive of Chaucer.

353. *Shakespeare*. First semester; lectures three hours; three credits. MR. NEIMAN.

An intensive study of selected histories and comedies.

354. *Shakespeare*. Second semester; lectures three hours; three credits. MR. NEIMAN.

An intensive study of the major tragedies and the "problem" comedies.

355. *The English Renaissance*. First semester; lectures three hours; three credits. MR. EVANS.

A survey of English literature, excluding the drama, in the sixteenth century, with emphasis on the works of such contemporaries of Shakespeare as Raleigh, Marlowe, Sidney, and Spenser.

356. *The Seventeenth Century*. Second semester; lectures three hours; three credits. MR. EVANS.

A survey of the poetry and prose of the first half of the seventeenth century, with emphasis on the work of Ben Jonson, Herrick, Donne and the Metaphysical poets, and Thomas Browne.

357. *English Literature, 1660-1744*. First semester; lectures three hours; three credits. MR. FOERSTER.

Close study and discussion of literary masterpieces from the Restoration to the death of Pope, with particular emphasis on the writings of Dryden, Bunyan, Addison, Pope, Swift and Defoe.

358. *English Literature, 1744-1798*. Second semester; lectures three hours; three credits. MR. FOERSTER.

Close study and discussion of literary masterpieces from the death of Pope to the publication of the *Lyrical Ballads*, with emphasis on the writings of Goldsmith, Johnson, Blake, Gray and Burns.

359. *The Romantic Period, 1798-1832*. First semester; lectures three hours; three credits. MR. NEIMAN.

A study of the dominant ideas and conventions of English romanticism as expressed through the major poets and critics of the period, viz. Wordsworth, Byron, Shelley, Keats, Hazlitt.

360. *The Victorian Age*. Second semester; lectures three hours; three credits. MR. NEIMAN.

A study of the intellectual crises of the age as expressed primarily by leading poets and essayists from Carlyle to Hardy.

363. *Modern Poetry*. First semester; lectures three hours; three credits. MR. JONES.

A study of English and American poetry of the twentieth century with intensive reading and interpretation of the verse of Yeats, Eliot, and Auden.

364. *Modern Fiction*. Second semester; lectures three hours; three credits. MR. CLARK.

Reading, analysis and discussion of the principal American and British fiction writers from 1890 to the present, chosen to illustrate contemporary tendencies in matter and technique.

366. *Survey of the American Short Story*. Second semester; lectures three hours; three credits. MR. McCULLEY.

A study of the historical development of the short story as a distinctively American form of literature. Especial emphasis on local color, representative American characters, and standards of critical judgment.

371. *American Literature, 1607-1860*. First semester; lectures three hours; three credits. MR. CLARK.

A survey course covering the period from 1607 to 1860, and emphasizing not only the chief writers and their works but also the cultural trends and principles that have been basic in American life and thought.

372. *American Literature, 1860 to the Present Time*. Second semester; lectures three hours; three credits. MR. CLARK.

A survey course covering American writing since 1860 and the factors contributing to its development.

373. *The English Drama to 1642*. First semester; lectures three hours; three credits. MR. McCULLY.

A study of drama in England from its origins to the closing of the theaters in 1642, with emphasis on the works of Christopher Marlowe, Ben Jonson and John Webster.

374. *English Drama, 1660 to the Present*. Second semester; lectures three hours; three credits. MR. McCULLY.

A study of English drama from 1660 to the present, with emphasis on the modern period; related Continental plays, particularly those of Ibsen, will be studied. Main currents of English dramatic development and critical analysis of texts will be stressed.

375. *The English Novel to 1832*. First semester; lectures three hours; three credits. MR. JONES.

A survey of the development of English prose fiction from its beginnings in the Elizabethan period through the novels of Scott.

376. *The English Novel Since 1832*. Second semester; lectures three hours; three credits. MR. JONES.

A survey of the English novel from Dickens to the early twentieth century.

402. *Chaucer*. Second semester; lectures three hours; three credits. MR. DAVIDSON.

A study of Chaucer's *Canterbury Tales* and *Troilus and Creseyde*.

405. *Milton*. First semester; lectures three hours; three credits. MR. JONES.

An intensive study of Milton's poetry and prose, with emphasis on *Paradise Lost* and *Samson Agonistes*.

406. *Poe or Emerson*. Second semester; lectures three hours; three credits. MR. CLARK.

An intensive study of the poetry and prose of Poe or Emerson. (The work of Poe will be studied one year and the work of Emerson the next in alternation.)

407. *Hawthorne, Melville and Twain*. First semester; lectures three hours; three credits. MR. CLARK.

An intensive study of the major novels of these three writers.

408. *Literary Criticism*. Second semester; lectures three hours; three credits. MR. EVANS.

An historical and philosophical survey of critical theories of literature from Plato and Aristotle to the present.

†450. *Individual Reading*. Either semester; conference and reports; credit according to work done. STAFF.

HONORS STUDY

495, 496. *Honors*. Continuous course; hours to be arranged; three credits each semester. STAFF.

Students admitted to Honors Study in English will be enrolled in this course during both semesters of their senior year. The course comprises (a) supervised reading in the field of the student's major interest; (b) the preparation and presentation by May 1 of an Honors Essay based on the student's own research; and (c) satisfactory completion of a comprehensive examination in the field of the student's major interest.

GRADUATE COURSES

General requirements for the degree of Master of Arts are stated on pages 93-94. Candidates for this degree in the Department of English Language and Literature must in addition to meeting these requirements (1) demonstrate a reading knowledge of one foreign language, and (2) attain a grade of "B" or better in each course counted for credit toward the degree.

501, 502. *Old English*. Continuous course; lectures three hours; three credits each semester. MR. DAVIDSON.

An introduction to the Old English language, followed by the study of *Beowulf* and other texts.

507, 508. *Elizabethan Literature*. Continuous course; lectures three hours; three credits each semester. MR. EVANS.

Study and research in the literature of Elizabethan England, excluding the drama. First semester: the backgrounds and the development of prose and verse through the early writings of John Donne. Second semester: the poetry of Edmund Spenser.

560. *Thesis*. Hours to be arranged. STAFF.

Fine Arts

PROFESSOR HUNT. ASSOCIATE PROFESSORS THORNE (*Head of the Department*), NEWMAN, ROSEBERG and SCAMMON. ASSISTANT PROFESSORS HAAK, McCONKEY and WOODLIFF.
INSTRUCTOR HASTINGS. LECTURER BUCHANAN.

The Department of Fine Arts is composed of two sections: (1) Architecture, Sculpture, and Painting; (2) Theatre.

REQUIREMENTS FOR CONCENTRATION

Students concentrating in Fine Arts must take Fine Arts 201, 202, and 401, 402, and a minimum of 24 additional credits in the Department. A maximum of 21 technical and a total of 42 credits is allowed in a subject field or department.

SPECIAL PROGRAMS OF STUDY

- I. History of Art: Fine Arts 304, 403, 404, 405, 406; one other course in Fine Arts should be included.

NOTE: Students who contemplate graduate work in the History of Art or the History of Architecture should have upon graduation a reading knowledge of either German or French. It is further urged that they plan to take advanced courses in either History or English Literature.

- II. Architecture: Fine Arts 211, 212, 213, 214, 313, 314, 405.

NOTE: Students who contemplate professional work in Architecture should take Physics 101-102, Mathematics 101-102 and Engineering Graphics 201-202.

- III. Sculpture: Fine Arts 211, 212, 215, 216, 304, 317, 318, 404.
- IV. Painting: Fine Arts 211, 212, 306, 315, 316, 403, 404, 406.
- V. Theatrical Design and Techniques: Fine Arts 211, 212 or 213, 214, 217, 218, 219, 220, 309, 310.
- VI. Acting and Directing in the Theatre: Fine Arts 217, 218, 309, 310, 321, 322, 421, 422.

DESCRIPTION OF COURSES

201, 202. *Introduction to the Arts.* Continuous course; lectures three hours; three credits each semester. STAFF.

The development of architecture, sculpture, painting, and theatre from the earliest times to the present day. Open to freshmen with the permission of the Chairman.

211, 212. *Elementary Drawing.* Continuous course; studio six hours; three credits each semester. MR. THORNE.

Creative experience in various media, with emphasis on the visual elements of design. A basic course for practical work in architecture, sculpture, painting and theatrical design.

213, 214. *Elementary Architectural Design.* Continuous course; studio six hours; three credits each semester. MR. BUCHANAN.

An introductory course in architecture, covering the basic requirements of the planning and designing of buildings.

215, 216. *Elementary Sculpture.* Continuous course; studio six hours; three credits each semester. MR. ROSEBERG.

A practical course in the use of the sculptor's tools and materials which will include work in ceramics.

217, 218. *Elementary Course in Stagecraft.* Continuous course; workshop six hours; three credits each semester. MR. HAAK.

Technical problems: working drawings, construction, scene painting, rigging and handling of scenery, properties, lighting, backstage organization, and sound effects. Students in this course will act as technicians for the William and Mary Theatre productions.

219, 220. *Elementary Design.* Continuous course; studio six hours; three credits each semester. MR. HASTINGS.

An introduction to the problems of the scene-designer. Students in this course will act as technicians for the William and Mary Theatre productions.

241. *The Art of Photography*. Both semesters; lectures two hours; two credits each semester.

Experimentation towards an understanding of the limitations and potentialities of the photographic medium as a means of expression. (Not offered in 1959-1960.)

242. *History and Appreciation of the Motion Picture*. Second semester; lectures two hours; laboratory two hours; two credits. MR. HAAK.

Historical development in Europe and America and survey of organization, management, and mechanical processes in production. In laboratory, historic and current films illustrating lecture material will be shown.

304. *Art in the Ancient World*. Second semester; lectures three hours; three credits. MR. ROSEBERG.

305, 306. *Colonial American Art*. Continuous course; lectures three hours, three credits each semester. MR. NEWMAN, MR. THORNE.

The first semester will stress architecture of the eighteenth century. The second semester will stress the painting of the Colonial period. (Alternates with Fine Arts 405-406.)

307, 308. *Art in the Modern World*. Continuous course; lectures three hours; three credits each semester. MR. THORNE, MR. ROSEBERG, MR. NEWMAN.

Architecture, painting, and sculpture in the nineteenth and twentieth centuries. This course is designed for juniors and seniors with no special knowledge of Fine Arts who wish some knowledge and appreciation of Modern Art.

309, 310. *History of the Theatre*. Continuous course; lectures three hours; three credits each semester. MISS HUNT.

The history of the forms of the drama, development of the theatre and techniques of the stage.

313, 314. *Advanced Architectural Design*. Continuous course; studio six hours; three credits each semester. MR. BUCHANAN.

A second year course in architectural design. A continuation of Fine Arts 213, 214, dealing with building groups and community relationships.

315, 316. *Painting*. Continuous course; studio six hours; three credits each semester. MR. THORNE.

An introductory course in the various media of painting: painting in oil, tempera and emulsion.

317, 318. *Advanced Sculpture*. Continuous course; studio six hours; three credits each semester. MR. ROSEBERG.

Compositions in relief and in the round, development of original designs from preliminary sketch to completed work in wood, plaster, stone, and ceramics.

321, 322. *ACTING*. Continuous course; lecture three hours; three credits each semester. MISS HUNT.

Critical analysis and appreciation of acting. Presentation of individual and group scenes.

323. *Play Writing*. Lectures three hours; three credits. A course in the writing of one-act plays. (Not offered in 1959-1960.)

331. *Principles of Functional Design*. Both semesters; lecture one hour; studio six hours; three credits each semester. MR. HASTINGS.

An introductory course in the design of ceramics, weaving, plastics, leather-work, wood-work and the serigraph.

401, 402. *Art and the Twentieth Century*. Continuous course; lectures one hour, two hours seminar; three credits each semester. STAFF.

Lectures, discussion, and research concerning the major problems and potentialities of the arts in the contemporary world. A special field, Architecture, Painting, Sculpture, or Theatre will be selected for concentration seminar work in relation to the general art problems considered in the lectures.

403. *Oriental Art*. First semester; lectures three hours; three credits. MR. ROSEBERG.

History of the architecture, painting, and sculpture of the Orient.

404. *Medieval Art*. Second semester; lectures three hours; three credits. MR. NEWMAN.

History of the architecture, painting, and sculpture of the Middle Ages.

405, 406. *Renaissance Art*. Continuous course; lectures three hours; three credits each semester. MR. NEWMAN, MR. THORNE.

Architecture and painting of the Renaissance. (Alternates with Fine Arts 305, 306. Not offered in 1959-1960.)

†411. *Problems in Fine Arts*. Any semester; hours to be arranged; credits according to work done. STAFF.

This course is for the advanced student and is arranged on an individual basis.

415, 416. *Advanced Painting*. Continuous course; studio six hours; three credits each semester. MR. THORNE.

Compositions in various media to be planned for exhibition. The development of original designs from the sketch to completed work in oil, tempera, encaustic and etching.

421, 422. *Direction*. Continuous course; lectures three hours; three credits each semester. MISS HUNT.

Principles of choosing the play, casting, rehearsals, and performances. Special emphasis on directing one-act plays.

Government

PROFESSOR MOSS (*Head of the Department*). ASSOCIATE PROFESSOR CHOU. ASSISTANT PROFESSORS FRISCH, HAMILTON¹ and WEBBER. ACTING ASSISTANT PROFESSOR FOSTER.

REQUIREMENTS FOR CONCENTRATION

History 101, 102 and Economics 201, 202 should be taken by all who concentrate in Government but these courses do not count toward the concentration.

The Government concentration consists of forty-two hours of coherently related work selected by the student with the approval of the head of the department. Thirty hours must be taken under persons on the staff of the department. Twelve hours may be taken elsewhere in the College.

Students with a professional or vocational interest in the field of Government are advised to take one or more years of graduate work beyond the bachelor's degree.

SPECIAL CONCENTRATION PROGRAMS

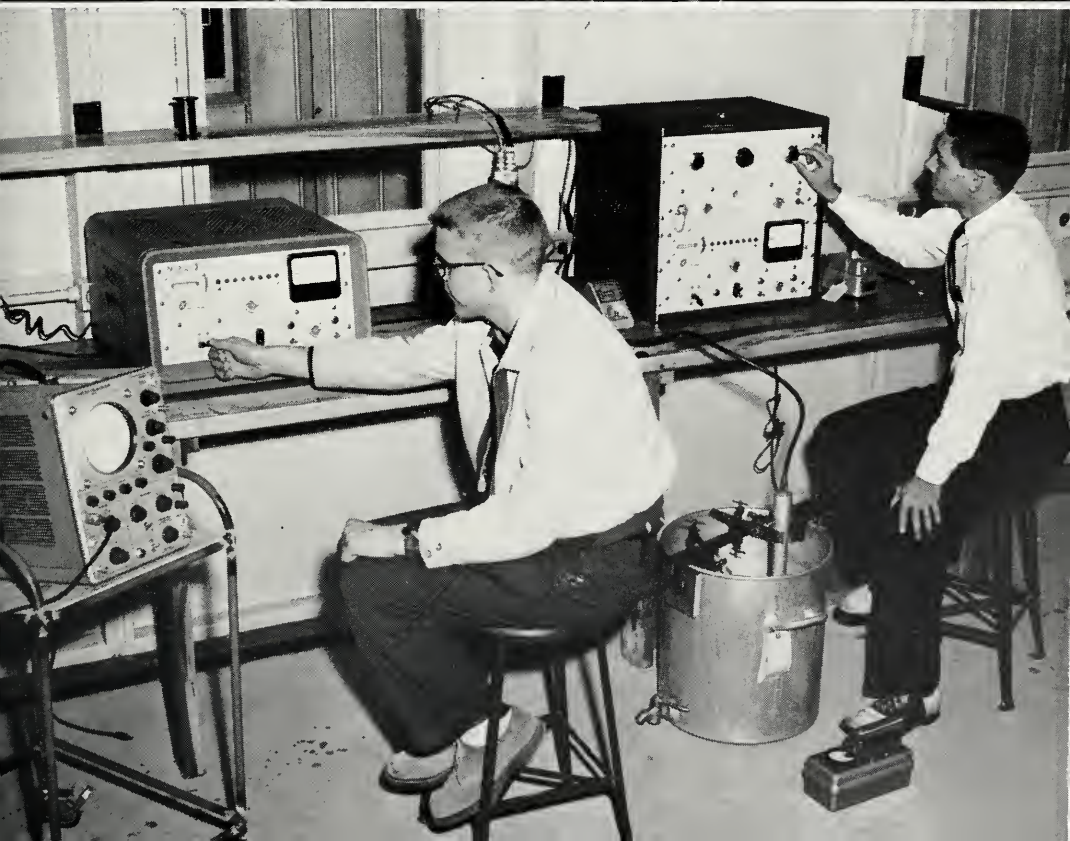
Each student's program is planned individually in consultation with the head of the department. The following combinations of courses are suggested as being appropriate.

American Government: Government 201, 202; 301; 402; eighteen additional hours in Government and twelve hours of related work.

Administration: Government 201, 202; 351; 352; eighteen additional hours in Government and twelve hours of related work.

British Area: Government 201, 202; 310; 333; eighteen additional hours in Government and twelve hours of related work.

¹On leave of absence, 1958-1959.





Comparative Government: Government 201, 202; 306; 310 or 311; 334; 336; twelve additional hours in Government and twelve hours of related work.

International Relations: Government 201, 202; 314, 321; 322; 324; 334; 336; six additional hours in Government and twelve hours of related work.

Political Theory: Government 201, 202; 303, 304; eighteen additional hours in Government and twelve hours of related work.

Politics: Government 201, 202; 306; twenty-one additional hours in Government and twelve hours of related work.

DESCRIPTION OF COURSES

201, 202.¹ *Introduction to Government and Politics.* Continuous course; lectures three hours; three credits each semester.
STAFF.

In the first semester the student is introduced to the nature of political problems and the operation of political institutions. Chief attention is given the problems and institutions of the United States but comparisons are made with Britain, Canada, France, and other countries. In the second semester the student will study international relations. Emphasis is given to the concept of peace as a continuous political process rather than as a static condition.

301. *American Constitutional Development.* First semester; lectures three hours; three credits. MR. FOSTER.

An analysis of the constitutional basis of American Government with emphasis upon the part played by the courts in adapting the Constitution to the needs of a changing society.

303, 304. *Survey of Political Thought.* Continuous course; lectures three hours; three credits each semester. MR. MOSS and MR. FRISCH.

¹This course is open to freshmen if they have completed a year course in Modern European History at either the secondary or college level.

The first semester is a study of the views concerning the nature and purpose of government, the bases for these views in theology and metaphysics, and the influence of these views upon the course of history. The first semester begins with Plato and concludes with Luther, Calvin, and Hooker. The second semester begins with Machiavelli and follows the secularization of politics through to the present neo-religious conflicts of Fascism, Communism, and liberal Democracy.

306. *Political Parties*. Second semester; lectures three hours; three credits. MR. MOSS.

An analysis of the nature, sources, and organization of political power, and of the factors governing its conquest and surrender. The course deals chiefly with American politics but makes comparisons with politics of other countries. Special attention is given the problem of analyzing and reporting political situations.

308. *American National Government*. Second semester; lectures three hours; three credits. MR. WEBBER.

A study of the institutions and operation of the national government of the United States.

310. *Government and Politics in the British Isles*. Second semester; lectures three hours; three credits. MR. MOSS.

A study of political institutions and political behavior in the United Kingdom and Eire. Special attention is given comparisons with the United States and the parliamentary democracies of the Commonwealth and Western Europe.

311. *European Parliamentary Government*. -First semester; lectures three hours; three credits. MR. FOSTER.

A study of the operation of parliamentary governments in Western Europe. Special attention will be given the government of France.

314. *Geography*. Second semester; lectures three hours; three credits.

A study of the arrangement and distribution of both physical and cultural features of the world as a whole, followed by detailed consideration of the geographic nature of individual countries. Special consideration is given the broad patterns of climate, landforms, resources, and population distribution as well as the geographic nature of the major political units.

321. *American Foreign Policy*. First semester; lectures three hours; three credits. MR. CHOU.

An historical survey of the foreign relations of the United States including a study of the basic principles and interests underlying American foreign relations and including the origins of American foreign politics in Europe, Latin-America and the Far East. Especial attention is given the period since 1900.

322. *International Organization*. Second semester; lectures three hours; three credits. MR. FOSTER.

A study of the development of the structures and procedures of international organization, and of the methods for pacific settlement of international disputes. Special attention will be given the League of Nations and the United Nations and the gains and failures of these organizations.

324. *International Law*. Second semester; lectures three hours; three credits. (See Marshall-Wythe School of Law, page 188.) MR. CHOU.

A survey of the general principles and theories of international law, coupled with case studies. Emphasis is given to the practice of international law by the major powers as well as to the new problems of international law which have arisen as a result of the recent war. The position of war in international law is also dealt with. The completion of sixty semester credits is a prerequisite for students in this course.

333. *The British Isles*. First semester; lectures three hours; three credits each semester. MR. MOSS.

A study of the background of contemporary politics and thought in the British Isles. Special attention is given comparisons with the United States and the Commonwealth nations.

334. *The Soviet Union.* Second semester; lectures three hours; three credits. MR. CHOU.

A study of the political and economic systems of the Soviet Union and a brief survey of the historical roots of Soviet Foreign Policy. Attention will be given to Communism as a world movement.

336. *The Far East.* First semester; lectures three hours; three credits. MR. CHOU.

A survey of the national and international politics of China, Japan, Soviet Asia, Indonesia, the Philippines, Siam, Indo-China, Burma and Korea. There will be interpretation of the social, economic, and cultural background of these countries and an evaluation of the conflict of interests among the Western Powers in Asia. Emphasis is placed upon the period since the first World War and upon the future outlook of Asia.

338. *The Middle East.* First semester; lectures three hours; three credits. MR. CHOU.

A general survey of the historical, social, and cultural factors at work in the Middle East, especially since World War I. Emphasis will be placed upon such developments as the rise of Modern Turkey, the Arab League, and the founding of the new state of Israel.

351. *Administration.* First semester; lectures three hours; three credits. MR. WEBBER.

A survey of the theory and practice of Public Administration. Emphasis is placed on the fields of budgeting, personnel, and the political process as they affect the area of administration.

352. *Policy and Administration.* Second semester; lectures three hours; three credits. MR. WEBBER.

A study of the administration of such policies as health, education, welfare, natural resources, and transportation. Actual case situations are analyzed.

353. *American State Government and Administration.* First semester; lectures three hours; three credits. MR. WEBBER.

A study of the states in the federal union, the nature of state constitutions, the structures of state government, and the problems of state administration.

356. *Municipal Government and Administration*. First semester; lectures three hours; three credits. MR. WEBBER.

An analytical study of government and administration and a survey of the theory and practice of local government. Administrative surveys are conducted and visits with government officials are arranged.

358. *The Legislative Process*. Second semester; lectures three hours; three credits. MR. FOSTER.

A study of state and national legislatures in relation to social change. Emphasis will be on the organization and procedures of the Congress and the Virginia Legislature and other pertinent problems. Illustrative materials will be gathered through field trips.

402. *American Political Thought*. Second semester; lectures three hours; three credits. MR. FRISCH.

An analysis of the broader aspects of American political thought, indicating the forces and events which have shaped it.

406. *Administrative Law*. First semester; lectures three hours; three credits. (See Marshall-Wythe School of Law, page 186.)

The completion of one half the work for a degree is a prerequisite for students in this course.

407. *Municipal Corporations*. Second semester; lectures three hours; three credits. (See Marshall-Wythe School of Law, page 188.)

The completion of one half the work for a degree is a prerequisite for students in this course.

413, 414. *Studies in Political Thought*. Any semester; seminar two hours; consultation one hour; three credits each semester. MR. MOSS and MR. FRISCH.

A study of the work and significance of a particular great political theorist such as Hobbes, Locke, Rousseau, Burke, or Mill, or of a major movement such as Utilitarian Reformism, English Idealism, or Marxism. The theorist or movement will be chosen by the instructor for the semester. Provided the student does not repeat the study of any particular theorist or movement he may earn not more than six hours credit in this course.

*417, 418. *Seminar in Contemporary Political Theory and Institutions*. Continuous course; seminar three hours; three credits each semester. MR. MOSS.

A study of some aspects of contemporary thought and institutional developments. Original essays will be written by each student and discussed by the class.

451. *Theory of Public Administration*. Second semester; lectures three hours; three credits. MR. WEBBER.

This course deals with the nature, scope, and significance of bureaucracy, the functions of an administrator, the "science" of organization, and the theory behind the techniques of management in public service.

452. *Public Personnel Administration*. Second semester; lectures three hours; three credits. MR. WEBBER.

A course in the theory and practice of personnel administration, including such topics as organization of personnel management, classification of positions, salary and wage standardization, recruitment, selection, training, employee relations, and retirement.

HONORS STUDY

495, 496. *Honors*. Continuous course; hours to be arranged; three credits each semester. STAFF.

Students admitted to Honors Study in Government will be enrolled in this course during both semesters of their senior year. They will be responsible for (a) reading and discussion of a selected list of books; (b) satisfactory completion by May 1 of an original scholarly essay; (c) satisfactory performance in a comprehensive examination in the field of the student's major interest.

History

PROFESSORS MORTON (*Head of the Department*) and FOWLER.
ASSOCIATE PROFESSORS ABBOT¹, DONALDSON, McCULLY, and
TOWNER. ASSISTANT PROFESSOR, JOHNSON. ACTING
ASSISTANT PROFESSOR HIGGINBOTHAM. INSTRUCTORS
HALL and TUCKER. LECTURERS CAPPON,
COGAR, and SMITH.

REQUIREMENTS FOR CONCENTRATION

Concentration in History requires thirty semester hours in history, including History 101, 102, 201 and 202, taught by regular members of the department or by lecturers from the Institute of Early American History and Culture.

French and German are recommended for students planning to concentrate in history. Students preparing to enter graduate school should take History 402.

DESCRIPTION OF COURSES

EUROPEAN HISTORY

101, 102. *History of Europe*. Continuous course; lectures three hours; three credits each semester. MR. FOWLER, assisted by MR. ABBOT, MISS DONALDSON, MR. JOHNSON, and MR. McCULLY.

A general introduction to the history of Europe from the end of the Roman Empire to the present time. The first semester goes to 1715; the second, from 1715 to the present day.

301, 302. *The Ancient World*. Continuous course; lectures three hours; three credits each semester. MR. RYAN.²

Ancient civilization from prehistoric times to the downfall of the Roman Empire. The first semester deals with the ancient Orient and Greece, up to B. C. 338; the second semester deals with Alexander, the Hellenistic World, and Rome. (Same as Greek 311-Latin 312.)

¹On leave of absence, 1958-1959.

²Professor of Ancient Languages.

407, 408. *Europe and the French Predominance in the Seventeenth and Eighteenth Centuries.* Continuous course; lectures three hours; three credits each semester. MR. McCULLY.

After an examination of sixteenth century Europe, the course traces the political and cultural development of France and its expansion overseas from the Renaissance to the Age of Enlightenment.

409, 410. *England Under the Tudors and Stuarts.* Continuous course; lectures three hours; three credits each semester. Prerequisites: History 101, 102. MR. FOWLER.

The first semester, 1485-1603; the second semester, 1603-1714.

412. *Constitutional History of Modern England.* Second semester; lectures three hours; three credits. MR. McCULLY.

A survey of English constitutional development from the end of the Middle Ages to the present. The course stresses the Tudor strong monarchy, the conflict of Crown and Parliament under the Stuarts, the Revolution of 1688 and the establishment of the limited monarchy, the rise of cabinet government, the growth of democracy, and the development of the civil service. (See Marshall-Wythe School of Law, page 187.)

417, 418. *The British Empire.* Continuous course; lectures three hours; three credits. MR. McCULLY.

First semester, the formation and development of the old Colonial Empire through the American Revolution. Second semester, the rise of the new Empire through the nineteenth and twentieth centuries to the establishment of the British Commonwealth of Nations.

419. *Contemporary Europe.* First semester; lectures three hours; three credits. Prerequisites: History 101, 102. MR. FOWLER.

The history of Europe, within a Changing World, since 1919. (Not offered in 1959-1960.)

427, 428. *Europe, 1815-1914*. Continuous course; lectures three hours; three credits each semester. Prerequisites: History 101, 102. MR. FOWLER.

The history of the major states of Europe and their international relations. In the second semester, special emphasis is placed on the background of World War I.

431, 432. *Russia and the Soviet Union*. Continuous course; lectures three hours; three credits each semester. Prerequisites: History 101, 102. STAFF.

History of Russia in the Imperial and Soviet Periods.

AMERICAN HISTORY

201, 202. *American History*. Continuous course; lectures three hours; three credits each semester. MR. ABBOT and MR. JOHNSON.

The development of the United States. Special emphasis is placed on the period since 1776.

*402. *Topics in American History*. Second semester; lectures three hours; three credits. Prerequisites: History 201, 202. MR. ABBOT.

A seminar course which gives the student an opportunity for independent study under guidance, and practice in presenting the result of his work to the class. Attention is paid to historical materials in the library and to the preparation of manuscripts.

403. *Virginia, the Colony*. First semester; lectures three hours; three credits. MR. ABBOT.

The political, cultural, social, and economic development of Virginia—the Colony.

*405, 406. *Early American History*. Continuous course; lectures three hours; three credits each semester. Members of the staff of the Institute of Early American History and Culture.

The Colonial Period, Revolution and Confederation, the Federalist and Jeffersonian Eras. Special stress is laid on the ideas and institutions which developed in British North America and which, in the course of the struggle for independence and the formation of the union of states, emerged as a distinctive national culture. The course divides at the year 1763.

*413. *American Social History of the Eighteenth Century.* Both semesters (first semester repeated second semester); lectures three hours; three credits. MR. COGAR.

The social side of the American scene during the eighteenth century. Restored Williamsburg, its background, origin, and nature are carefully studied.

421, 422. *The United States, 1815-1877.* Continuous course; lectures three hours; three credits each semester. MR. JOHNSON.

An intensive survey of the origins, development, and outcome of the struggle between the North and South.

423. *The Emergence of Modern America, 1877-1914.* Second semester; lectures three hours; three credits. MR. JOHNSON.

The settlement of the conflict between North and South and the development of the United States as a modern industrial society. (Alternates with History 424.)

424. *Contemporary America Since 1914.* Second semester; lectures three hours; three credits. MR. JOHNSON.

Political and social adjustment in an urban industrial society, and the United States as a world power. (Alternates with History 423. Not offered in 1959-1960.)

429. *The Forming of the American Constitution.* First semester; lectures three hours; three credits. MR. ABBOT.

Special attention is given to the Revolutionary period, 1763-1775, to the Constitutional Convention of 1787, and to the influence of John Marshall in the early nineteenth century.

HONORS STUDY

495, 496. *Honors*. Continuous course; hours to be arranged; three credits each semester. STAFF.

Students admitted to Honors Study in History will be enrolled in this course during both semesters of their senior year. Each candidate will be responsible for (a) reading and discussion of a selected list of books in some specific area of historical literature, (b) a scholarly essay by May 1, (c) a comprehensive oral examination.

GRADUATE COURSES

†501, 502. *The Literature of American History*. Continuous course; lecture three hours; three credits each semester. MR. TOWNER.

This course is designed to acquaint the graduate student with the extensive and important body of literature dealing with American history and also to aid the student in a critical evaluation of that literature. History 501 will cover the outstanding historical writings on early American history (1607-1815); History 502 will cover the literature of nineteenth and twentieth century America.

†503, 504. *Seminar in American History*. Continuous course; lectures three hours; three credits each semester. 503, MR. JOHNSON; 504, MR. ABBOT.

A course combining the methods and practice of research in American history and its British background.

†560. *Thesis*. Hours to be arranged. STAFF.

Work in preparation of a thesis to fulfill the requirements for the degree of Master of Arts in history.

PROGRAM FOR THE MASTER OF ARTS DEGREE IN HISTORY

The College is in an unusually fortunate position to offer work in American history at the master's level. There are important and growing collections of primary and secondary mate-

rials in the libraries of the College, Colonial Williamsburg, and the Institute of Early American History and Culture. The City of Williamsburg and the surrounding country furnish an inspiring background. Closely associated with the Department of History in this program are the members of the staff of the Institute (sponsored jointly by the College and Colonial Williamsburg, Incorporated), who offer six semester hours in the Department and aid in other ways.

ADMISSIONS AND REQUIREMENTS

Candidates for admission to graduate study shall have a bachelor's degree from the College of William and Mary or from a college having similar requirements for the bachelor's degree and at least a "B" average in their undergraduate work. They must apply for admission to the Dean of Admissions as early as possible (for the session 1959-1960, by May 15, 1959). The application must be approved by the Committee on Graduate Studies and by the head of the Department of History. An interview with a member of the Department is most desirable.

Candidates for the degree must be in residence for at least two semesters and, in addition to History 560 (Thesis), must obtain twenty-four semester hours' credit in courses above the "300" level with a grade of "B" or better in each course, including at least nine semester hours in courses limited to graduate students ("500" courses). Candidates must demonstrate a reading knowledge of one foreign language, prepare a thesis, and pass an oral comprehensive examination to be taken at east two weeks before the regular semester examinations. Graduate students enrolled in advanced courses opened to undergraduates shall be required to do additional work on the graduate level. Each graduate student shall have a faculty supervisor who will be primarily responsible for the student's choice of a thesis subject and for advising him regarding research and writing problems encountered in preparing the thesis. All thesis subjects must be approved by the head of the Department.

The records of graduate students will be reviewed by the Department at the end of the first semester of residence to determine final acceptance as candidates for the degree of Master of Arts.

CURRICULUM

Besides the advanced courses in American history, the Department offers eighteen semester hours in advanced courses in European history closely related to American history and, hence, wholly acceptable as part of the program for the Master of Arts degree.

COMBINED MASTER OF ARTS DEGREE AND
APPRENTICESHIP PROGRAM

The History Department of the College of William and Mary also offers a combined program of academic study for the degree of Master of Arts in American History and practical training in historical administration, in cooperation with the Institute of Early American History and Culture, Colonial Williamsburg, Inc., and the National Park Service. The three fields in which apprenticeship training is available are: Editing Historical Books and Magazines (Institute of Early American History and Culture); Operations of an Historical Library (The College Library and the Library of Colonial Williamsburg, Inc.); and the Interpretation of Historical Sites (The National Park Service and Colonial Williamsburg, Inc.). The training program adds approximately five months' time to the M.A. program.

Home Economics

ASSOCIATE PROFESSOR WILKIN (*Acting Head of the Department*).
ASSISTANT PROFESSOR T. MILLER.

The purpose of the Home Economics Department is to offer courses in homemaking that will be useful to the student in her own home. At the same time these courses are planned to relate to and supplement instruction which the student receives in many of the courses given in other departments.

201. *Home Living*. Either semester; lectures three hours; three credits. MRS. MILLER.

This is an introductory course in which the significance of foods and nutrition, textiles and clothing, art in the home, home management, and consumer education is presented. Historic and contemporary patterns of home living are studied.

209. *Foods: Principles of Preparation*. First semester; lecture one hour, laboratory four hours; three credits. MRS. MILLER.

A study is made of the fundamental principles of food preparation, conservation of nutritive values during cooking, and aesthetic factors in family meals.

210. *Foods: Meal Planning and Dining Customs*. Either semester; lecture one hour, laboratory four hours; three credits. MRS. MILLER.

This course includes the serving of family meals and special meals, menu planning at different levels of cost, marketing, organizing, preparation and creating aesthetic atmosphere.

301. *Nutrition and Physical Fitness*. Second semester; lectures three hours; three credits. MRS. MILLER.

Basic nutritional knowledge applicable to achieving optimal health is stressed. Malnutrition in the United States and the world, and national and international activities for improving the nutrition of entire populations are studied.

307. *Clothing Construction*. Either semester; laboratory six hours; three credits. MISS WILKIN.

The chief objectives of this course are the development of standards by which to achieve satisfactory results in clothing construction, the selection of fabrics and style, and the use of modern tools.

308. *Special Problems in Clothing Construction*. Either semester; laboratory six hours; three credits. MISS WILKIN.

A knowledge of basic procedures in sewing is required. Individual problems will be selected on consultation with the instructor. Dress designs involving intricate work, garments requiring some hand sewing and hand decoration, tailored garments, and the like, may be chosen.

309. *Textiles*. First semester; lectures three hours; three credits. MISS WILKIN.

The place of textiles in the domestic, industrial and commercial world is stressed. Natural and man-made fibers are studied as to characteristics, limitations, and care of each. The construction, decoration, finishes, and the probable durability of each are evaluated.

310. *Textile Design and Decoration*. Second semester; lectures two hours; laboratory two hours; three credits. MISS WILKIN.

Notable historic textiles are studied noting their artistic quality, the symbolic art forms, and the influence of these on contemporary textile decoration. Museum prints and plates, as well as collections of Colonial Williamsburg are used as illustrative material.

325. *Home Furnishing and Decoration: America*. Second semester; lectures three hours; three credits. MISS WILKIN.

A study is made of American homes and their prototypes in England and Europe. Authentic features in exterior and interior design, furnishings and accessories for such periods as Early American, Georgian, Victorian, and contemporary are stressed.

326. *Home Furnishing and Decoration: Historic.* Either semester; lectures three hours; three credits. MISS WILKIN.

A study is made of style, decoration, furnishings and artistic merits of homes from ancient Egypt to the present. The study follows the development of culture and reveals the life of the people.

327. *Historic Costume.* First semester; lectures three hours; three credits. MISS WILKIN.

A study is made of dress as it parallels the development of civilization and reflects social, religious, political and economic conditions. Today's styles are studied for parallels with those of the past.

329. *Home Management.* Either semester; lectures three hours; three credits. MRS. MILLER.

A study is made of organizing the household and planning the daily activities to conserve material and human resources and to provide a satisfying background for pleasant family living.

331. *Consumer Education.* Either semester; lectures three hours; three credits. MRS. MILLER.

The position of the consumer as a buyer in the contemporary economic order is studied. Standards, grades, labels, budgeting, owning versus buying a home, aids from federal bureaus and certificating agencies are discussed. Family financial problems throughout the entire life cycle are stressed.

Marshall-Wythe School of Law¹

THE FACULTY

DUDLEY WARNER WOODBRIDGE, A.B., J.D., *Dean and Chancellor*
Professor of Law

ARTHUR WARREN PHELPS, A.B., A.M., LL.B., LL.M., *Professor*
of Law

JOSEPH MARSHALL CORMACK, A.B., LL.B., J.S.D., *Professor of*
Law

JOSEPH CURTIS, B.S., LL.B., LL.M., *Professor of Law*

THOMAS CONNER ATKESON, B.S., M.S., Ph.D., *Professor of*
Taxation

JAMES PRIMROSE WHYTE, JR., A.B., M.A., LL.B., *Professor of*
Law

WILLIAM FINLEY SWINDLER,² A.B., B.S., M.A., Ph.D., LL.B.,
Professor of Legal History.

CHARLES PHINEAS SHERMAN, A.B., LL.B., D.C.L., LL.D., *Lec-*
turer, Emeritus, in Roman, Canon and Civil Law

CHARLES HARPER ANDERSON, A.B., B.C.L., LL.M., *Lecturer*

WILLIAM TALIAFERRO PRINCE, A.B., B.C.L., *Lecturer*

CHESTER STOYLE BAKER, JR., A.B., B.C.L., *Law Librarian*

PARTICIPATING STAFF MEMBERS FROM OTHER DEPARTMENTS

I-KUA CHOU, LL.B., A.M., Ph.D., *Associate Professor of Gov-*
ernment

BRUCE TIEBOUT McCULLY, A.B., A.M., Ph.D., *Associate Pro-*
fessor of History

JOHN STEPHEN QUINN, B.S., M.C.S., M.B.A., *Associate Pro-*
fessor of Business Administration

ANTHONY L. SANCETTA, A.B., M.S., Ph.D., *Associate Professor of*
Economics

¹See also Marshall-Wythe School of Law Catalog, 1958-1959.

²On leave of absence for administrative purposes, 1958-1959.

HISTORY

The School of Law was originally established December 4, 1779, when, by resolution, the Board of Visitors created a professorship of Law and Police. Antedated only by the Vinerian professorship at Oxford, established twenty-one years earlier and held by Sir William Blackstone, the chair of law at the College of William and Mary thus became the second in the English-speaking world and the oldest in the United States.

The part played by Thomas Jefferson in placing law among the subjects taught at his *Alma Mater* is told briefly in his *Autobiography*.¹

On the 1st of June, 1779, I was appointed (elected) Governor of the Commonwealth and retired from the legislature. Being elected also one of the Visitors of Wm. & Mary College, a self-electing body, I effected during my residence in Williamsburg that year, a change in the organization of that institution by abolishing the Grammar School, and the two professorships of Divinity & Oriental languages, and substituting a professorship of Law & Police, one of Anatomy, Medicine and Chemistry, and one of Modern Languages; and the charter confining us to six professorships, we added the law of Nature & Nations, & the Fine Arts to the Duties of the Moral professor, and Natural history to those of the professor of Mathematics and Natural philosophy.

The Board of Visitors elected as the first law professor George Wythe in whose office Jefferson had studied. A signer of the Declaration of Independence and styled by Jefferson the American Aristides, Wythe was a judge of the Virginia High Court of Chancery and one of the earliest judges to enunciate the doctrine of judicial review.

The elevation of Wythe to the sole chancellorship of Virginia, ten years after the chair of law was established, necessitated his removal to Richmond and his resignation from the faculty. He was succeeded by St. George Tucker, whose edition of Blackstone is a legal classic and one of the first law books published in America. Among the last to hold the professorship at Williams-

¹Ford's edition, I, 69-70.

burg prior to 1861 was Lucian Minor, a member of another Virginia family intimately associated with the law.

Soon after its foundation, and probably from the very beginning, the law school of the College of William and Mary demanded an academic baccalaureate degree as a requirement for a law degree, the College statutes compiled in 1792 providing:

For the degree of Bachelor of Law, the student must have the requisites for Bachelor of Arts; he must moreover be well acquainted with Civil History, both Ancient and Modern, and particularly with Municipal law and police.

In May, 1861, with the closing of the College, because of the exigencies of war, the law school ceased to function. When the College resumed operation, financial stringency resulted in the granting of leaves of absences to some of the faculty. Among these was the professor of Law. This leave of absence continued indefinitely. During the precarious years in the life of the institution following the Civil War the Law School remained largely dormant. Its revival, begun in 1920, was completed with the session of 1922-23.

The School of Law is registered by the State Department of Education of the University of the State of New York, is approved by the American Bar Association, and is a member of the Association of American Law Schools.

LIBRARY

The Library of the School of Law contains approximately 25,821 volumes. The Law Library is administered by a Law Librarian with student assistants, and during the regular session observes the same hours as the College Library. The collection contains digests, encyclopedias, periodicals, session laws, statutes, texts, citators, reports of many courts of last resort, and all the United States Supreme Court Reports. Also available are the Complete Reporter System, the American Digest System, the Reports of the Commonwealth of Virginia, and those of many other states.

WILLIAM AND MARY LAW REVIEW

The William and Mary Law Review is published annually by the students of the School of Law with the cooperation of the

faculty. Its primary objective is to provide an opportunity for student legal composition. The editor each year is a student selected by the faculty who is aided by an editorial board. The editor in 1958-1959 was PAUL T. WRIGHT.

PRE-LEGAL STUDIES

While no specific academic subjects, apart from the general requirements for the degree of Bachelor of Arts, are required for admission to the School of Law, students who expect to proceed to the law degree are urged to complete the general degree requirements before commencing the work in Law. It is recommended that such students consult with the pre-legal adviser of the School as early in their college careers as possible regarding the scope and distribution of their academic work.

ADVANCED CREDIT

Within the discretion of the faculty of the School, credit may be allowed for subjects satisfactorily completed at approved law schools, not to exceed the equivalent of sixty semester hours.

EXCLUSION BECAUSE OF POOR SCHOLARSHIP

Any student who has been admitted to candidacy for the degree of Bachelor of Civil Law and who does not maintain a quality point average of at least 1.0, or who fails more than five hours in any semester will be permitted to continue his course only with the consent of the faculty of the School.

DEGREE REQUIREMENTS

THE BACHELOR OF ARTS DEGREE—SIX YEAR COMBINED COURSE

Students who have completed three years of pre-legal work will be awarded the Bachelor of Arts degree on the satisfactory completion of the first year's work in law. The pre-legal work may be done in any accredited college or university provided that the requirements of the College of William and Mary as to the nature and quality of the work are met. By proceeding in this way it is possible for students to receive both their arts and law degrees within a period of six academic years.

THE BACHELOR OF CIVIL LAW DEGREE

Students holding an academic baccalaureate degree from an institution of approved standing, who have been in residence in the Law School for at least ninety weeks (or, in case advanced credit has been allowed have been in residence in this school at least during their last year), who have completed satisfactorily at least ninety semester credits in law with a quality point average of 1.0 or better in *all* the law work undertaken, and who have demonstrated their ethical fitness, will receive the degree of Bachelor of Civil Law (B.C.L.), the historic law degree of the College of William and Mary in Virginia. This degree is a professional degree in law and the equivalent of the more usual bachelor of laws degree.

MISCELLANEOUS INFORMATION

Method of Instruction. While each instructor has full liberty to adopt his method of teaching, the plan most generally used consists of the discussion of cases and legal problems. Students are encouraged from the beginning to make the fullest use of the law library.

Scholarships and Prizes. Matthew Gault Emery Law Scholarship, the Virginia Trust Company Will Draftsmanship Contest, the Lawyers Title Insurance Corporation Award, the Seidman & Seidman Tax Award, the William A. Hamilton Prize, The Phi Alpha Delta Law Scholarship, and the William A. R. Goodwin Memorial Fund Scholarship. See pages 298-299.

ADMISSION REQUIREMENTS

The following persons may be admitted to courses in Law:

1. Students holding an academic baccalaureate degree from an institution of approved standing who have the equivalent of 1.3 average in all work taken and a satisfactory score on the Law School Admission Test given by the Educational Testing Service of Princeton, New Jersey, may enter the School of Law and take any subject or course of study approved by the Dean of the School; provided, however, that students who are candidates for the degree of Bachelor of Civil Law shall follow the regular course of study.

2. Undergraduate students who desire to be admitted to courses in law must have finished three-fourths of the work and must have earned three-fourths of the quality points required for a baccalaureate degree within a period not exceeding seven and one-half semesters.

3. Students of academic junior standing who have completed one-half of the work and who have earned one-half of the quality points required for a baccalaureate degree within a period not exceeding five semesters may take a limited amount of work for business law or elective credit (but not for law credit), with the consent of the Dean of the School.

4. Within the discretion of the faculty of the School, persons of exceptional promise who fail to meet the above requirements may be admitted as special students¹ and may take subjects in law approved by the Dean of the School.

Any person who is not in good standing academically or otherwise at any institution previously attended will not be eligible for consideration for admission.

Subject to the above provisions, registration is the same as for the College at large. Inquiries should be addressed to the Dean of Admissions of the College.

COURSE OF STUDY

REQUIRED COURSES

All first year courses are required. The courses in Basic Federal Taxation, Negotiable Instruments, Trusts and Estates, Constitutional Law, Business Associations II, Creditors' Rights, Evidence, and Property II are also required.

FIRST YEAR

<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
Business Associations I.....	3	Contracts and Sales.....	3
Civil Procedure.....	5	Criminal Law.....	3
Contracts.....	3	Family Law.....	2
Property I.....	4	Legal Writing.....	3
		Torts.....	4
	15		15

¹The number is limited in accordance with the recommendation of the Legal Education Section of the American Bar Association.

SECOND, THIRD, AND FOURTH YEARS

<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
Administrative Law (Govt. 406)	3	Advanced Income Taxation	4
Basic Federal Taxation	3	Business Associations II	3
Conflict of Laws	3	Constitutional History of Modern England (Hist. 412)	3
Equity	2	Constitutional Law	4
Evidence	3	Creditors' Rights	4
Legal Profession	2	Estate and Gift Taxation	3
Legal Research	Federal Taxation (Bus. 406)	3
Legislation	2	Government Regulation of Busi- ness (Bus. 426)	3
State and Local Taxation	3	International Law (Govt. 324)	3
Survey of Tax Literature	3	Labor Law (Econ. 408)	3
Tax Administration and Proce- dure	3	Legal Accounting (Bus. 408)	3
Tax Research	Legal History	3
Trial and Appellate Court Prac- tice	3	Legal Philosophy	3
Trusts and Estates	4	Legal Research
Virginia Procedure	3	Municipal Corp'ns (Govt. 407)	3
		Negotiable Instruments	3
		Preparation of Tax Forms	2
		Property II	3
		Tax Litigation	2
		Tax Research	

DESCRIPTION OF COURSES

I. HISTORY AND NATURE OF LAW

Legal History. Second semester; lectures three hours; three credits.

The history of American and English law with some reference to the sources of that law in earlier legal systems.

Legal Philosophy. Second semester; lectures three hours; three credits. MR. PHELPS.

The rules and principles of law as they relate to the basic ideas of philosophy.

Legal Profession. First semester; lectures two hours; two credits. MR. CURTIS.

A study of the privileges and duties of the lawyer and of the legal profession as an institution.

II. PRIVATE LAW

Part I

Conflict of Laws. First semester; lectures three hours; three credits. MR. CORMACK.

A study of the problems which arise when the facts of a legal situation involve more than one state or country; the doctrines of renvoi, characterization and localization; local and territorial rights theories; the effect of the full faith and credit, due process, equal protection, and privileges and immunities provisions of the United States Constitution upon such problems; divorces secured in one state by citizens of another.

Contracts. First semester; lectures three hours; three credits. MR. WOODBRIDGE.

Offer and acceptance, consideration, seals, conditions, anticipatory repudiation, damages.

Contracts and Sales. Second semester; lectures three hours; three credits. MR. CURTIS.

Impossibility, third party beneficiaries, assignments, discharge, illegality, statute of frauds, passage of title, risk of loss, conditional sales, documents of title, implied warranties, remedies of buyer and seller.

Equity. First semester; lectures two hours; two credits. MR. CORMACK.

A study of the substantive principles and methods of procedure (other than those relating to trusts) which have been developed in the courts of equity; the particularly effective methods of equitable enforcement, such as injunctions, receiverships, specific enforcement, and decrees clearing titles; when litigants can proceed in courts of equity; the extent to which remedies at law have superseded those in equity.

Family Law. Second semester; lectures two hours; two credits. MR. PHELPS.

Marriage and Divorce, Husband and Wife, Parent and Child.

Property I. First semester; lectures four hours; four credits.
MR. WOODBRIDGE.

Acquisition of title to personalty, problems in possession, gifts of personalty, estates in land, concurrent ownership, introduction to future interests.

Property II. Second semester; lectures three hours; three credits. MR. ANDERSON.

A study of modern land transactions, recording acts, methods of controlling the use of land, easements and licenses, and rights incident to land ownership.

Torts. Second semester; lectures four hours; four credits.
MR. WOODBRIDGE.

The concept of tort liability; assault and battery, false imprisonment, trespass to land and personalty, negligence, deceit, defamation, malicious prosecution, trover and conversion.

Part II

Business Associations I-II. Continuous course; lectures three hours; three credits each semester. MR. WHYTE, MR. PHELPS.

The general principles of the law of agencies, partnerships, private corporations, and other forms of business relationship.

Creditors' Rights. Second semester; lectures four hours; four credits. MR. CORMACK.

A study of the ordinary bankruptcy proceedings of individuals and corporations, including the various methods by which the trustee in bankruptcy secures assets to be distributed among the creditors; a general survey of the proceedings in the nature of reorganizations and extensions of time provided for by the newer portions of the Bankruptcy Act; a study of all forms of personal and real property security, together with a brief survey of suretyship.

Legal Accounting. Second semester; lectures three hours; three credits. MR. QUINN.¹

This is the same course as Business 408.

Negotiable Instruments. Second semester; lectures three hours; three credits. MR. WOODBRIDGE.

The concept of negotiability and the requirements therefor, transfer, the holder in due course, equities and defenses, liability of parties, discharge.

Trusts and Estates. First semester; lectures four hours; four credits. MR. CORMACK.

The law of wills and trusts with particular emphasis upon problems of draftsmanship and the preparation of wills and trusts with reference to the law of all states; the execution of wills; administration of estates; the various time rules relating to trusts; the use of inter vivos and testamentary trusts; charitable trusts.

III. PUBLIC LAW

Administrative Law. First semester; lectures three hours; three credits.

A study of economic and social forces in regulatory action by administrative tribunals. The rule-making and adjudicative procedures by federal and state administrative tribunals and the remedies against administrative action will receive special consideration.

This is the same course as Govt. 406.

Advanced Income Taxation. Second semester; lectures four hours; four credits. Prerequisite: Basic Federal Taxation or Bus. 406. MR. ATKESON.

Consideration of the more complex problems in the field of Federal income taxation, with intensive study of the tax consequences in corporate reorganizations, distributions, and capital transactions.

¹Associate Professor of Business Administration.

*Basic Federal Taxation.*¹ First semester; lectures three hours; three credits. MR. CURTIS.

A comprehensive course treating the fundamentals of Federal taxation. General in treatment, including mechanics as well as jurisprudential considerations.

Constitutional History of Modern England. Second semester; lectures three hours; three credits. MR. McCULLY.²

This is the same course as History 412.

Constitutional Law. Second semester; lectures four hours; four credits. MR. WHYTE.

A study of the general principles of constitutional law applicable to the several states, and the law of the Federal system under the United States Constitution.

Criminal Law. Second semester; lectures three hours; three credits. MR. CORMACK.

A study of the substantive elements of the principal crimes, the various problems relating to criminal intent; the effect upon criminal responsibility of disorders of the mind; combinations of persons; the procedure in criminal cases.

Estate and Gift Taxation. Second semester; lectures three hours; three credits. MR. CURTIS.

The development and application of the estate and gift tax provisions of the Internal Revenue Code, with consideration given to the tax aspects in estate planning.

Federal Taxation. Second semester; lectures three hours; three credits. MR. ATKESON. (Not open to students who have received credit for Basic Federal Taxation.)

This is the same course as Business 406.

¹This course and the Federal Taxation course can only be taken in the alternative and credit for both will not be allowed.

²Associate Professor of History.

Government Regulation of Business. Second semester; lectures and conferences three hours; three credits. MR. SANCETTA.¹

This is the same course as Business 426.

International Law. Second semester; lectures three hours; three credits. MR. CHOU.²

This is the same course as Government 324.

Labor Law. Second semester; lectures three hours; three credits. MR. WHYTE.

This is the same course as Economics 408.

Municipal Corporations. Second semester; lectures three hours; three credits.

The legal problems encountered in the conduct of government on the local level with special emphasis on types and objectives of local governmental units, intergovernmental relations, finance, personnel, community planning, regulation of business and private conduct and responsibility in tort.

This is the same course as Government 407.

Preparation of Tax Forms. Second semester; lectures and conferences two hours; two credits. MR. ATKESON.

The preparation of individual, partnership and corporation income tax returns supplemental to the Basic Federal Taxation course, and consideration of other tax returns required of a business, including payroll and excise tax returns.

State and Local Taxation. First semester; lectures three hours; three credits. MR. CURTIS.

A study of state and local taxation as limited by the commerce, due process, and equal protection clauses of the Federal Constitution. State franchise, income, sales and property taxes are considered with emphasis on Virginia taxes.

¹Associate Professor of Economics.

²Associate Professor of Government.

Survey of Tax Literature. First semester; lectures three hours; three credits. MR. ATKESON.

The sources of tax law, the proper use of published materials in the consideration of a tax matter, and a familiarization with the works of authorities in the field of taxation.

Tax Administration and Procedure. First semester; lectures three hours; three credits. MR. ATKESON.

The organization and work of the Internal Revenue Service in the processing of tax returns; the procedures that are to be followed by taxpayers and their representatives in the audit of returns and settlement of tax matters prior to court litigation.

Tax Litigation. Second semester; conferences two hours; two credits. MR. CURTIS.

Study of the adjective Federal tax law; jurisdiction of the courts in tax matters, and trial work in tax litigation.

Tax Research. Both semesters; conferences; credit according to work done. MR. ATKESON.

Experiments in tax law and regulations drafting; preparation of studies by students on matters of current significance in the tax field involving extensive research.

IV. PROCEDURE

Civil Procedure. First semester; lectures five hours; five credits. MR. ANDERSON.

A general survey of the entire field of procedure including common law actions, suits in equity, contemporary judicial organization, code pleading, the Rules of Civil Procedure for the United States District Courts, trial practice, and an introduction to the basic rules of evidence.

Evidence. First semester; lectures three hours; three credits. MR. PHELPS.

The principles relating to the burden of proof, the competency of witnesses, and the admission and exclusion of evidence.

Trial and Appellate Court Practice. First semester; three hours lecture; three hours credit. MR. WHYTE.

Brief writing on the appellate level and the preparation and argument of selected cases.

Virginia Procedure. First semester; lectures three hours; three credits. MR. PHELPS.

A study of law and equity practice and procedure in Virginia.

V. LEGAL METHOD

Legal Writing. Second semester; three hours lecture; three hours credit. MR. PHELPS.

The use of law books, the analysis and headnoting of cases, the preparation of legal memoranda and the commoner types of pleadings and other legal documents.

Legislation. First semester; lectures two hours; two credits. MR. PHELPS.

The principles and policies guiding judges in interpreting statutes and the problems of drafting statutes and regulations.

Legal Research. Any semester; hours to be arranged; credit according to work done.

With the approval of the faculty and to a limited degree, topics in legal research may be substituted for formal courses.

Introduction to Law. Both semesters; lectures two hours; two credits. MR. WHYTE.

This course which is given each semester is designed for the general undergraduate student and does not carry law credit. The course includes a survey of the nature of law; its subject matter, methods of administration, and nomenclature.

THE DEGREE OF MASTER OF ARTS IN TAXATION

The school of Law in cooperation with the Departments of Business Administration and Economics offers a program of studies leading to a degree of Master of Arts in Taxation. This course of study is designed for students of exceptional ability who are doing the major portion of their work in Business, Economics, or Law.

To be eligible for this degree, the candidate must have completed the requirements for a baccalaureate degree and must pursue his studies satisfactorily for at least one more year. The following subjects are required: Accounting through Business (302) or Legal Accounting, Corporation Finance and Investments, Money and Banking, Government Regulation of Business, Elementary Statistics, Property I,^f Contracts and Contracts and Sales, Negotiable Instruments, Seminar in Business Economics, Legal Writing, Constitutional Law, Administrative Law, Public Finance and National Financial Policy, Trusts and Estates, and all the courses in Taxation.

This work may be combined with a concentration in Business Administration, Economics, or Law.

THE DEGREE OF MASTER OF LAW AND TAXATION

OBJECTIVES

The program leading to the Master of Law and Taxation degree, the first of its kind to be offered by a college or university, is designed to fill a need for competently trained persons to serve the nation in any capacity in which a thorough comprehension of all phases of taxation is an essential requirement. In the present complex status of our tax law it requires joint consideration by a lawyer, an accountant, an economist, a political scientist, and an expert in business management in order to analyze properly all aspects of a tax matter. While the program does not presume to accomplish expertness in each of these fields, it is intended to equip the student with fundamental groundwork in all and as much of advanced study in each as relates directly to the field of taxation. This required foundation in the related fields, coupled with the twenty-seven semester hours of specialized tax study, is designed to provide intensive training in tax law and ability to comprehend all of its diverse facets.

PREPARATION AND PROGRAMS OF STUDY

The Bachelor of Arts, Bachelor of Civil Law, and Master of Law and Taxation degrees may be undertaken in seven years, in which the requirements for the first two degrees are completed in a six year combined arts and law program and the seventh year devoted to the specialized study of tax law. In addition to the courses required to be completed for the arts and general law degrees, the following courses are included by students in the taxation program, either as electives or in pursuing their field of concentration in their undergraduate work:

Business Administration; advanced accounting, cost accounting, auditing, and municipal and governmental accounting.

Economics; money and banking, statistics, corporate finance and investments, public finance and national financial policy, and government regulation of business.

DEGREE REQUIREMENTS

The specialized study of tax law is undertaken by the student in his graduate year following the completion of the requirements for the general law degree. It comprises fifteen semester hours' study in each of two semesters of the courses described below. Such of these courses or their equivalents that the student may have completed in his general law program may be omitted, and, in that event, such of the required courses in Business Administration and Economics as were not completed by the student in his undergraduate study, or other law courses offered by the Marshall-Wythe School of Law, may be taken in their place.

Students holding an academic baccalaureate degree and a bachelor of laws degree from an institution or institutions of approved standing, inclusive of the prerequisite courses in Business Administration and Economics, who have been in residence in the Law School for at least one academic year thereafter, who have completed the prescribed graduate work in tax law with a quality point average of at least 2.0 (B), and who have demonstrated their ethical fitness, will receive the degree of Master of Law and Taxation.





PROGRAM FOR COMBINED COURSE

A.B. in Business Administration (Accounting) in four years.
 B.C.L. in six years, with preparation for both Bar and C.P.A.
 Examinations, and Master of Law and Taxation in seven years.

FIRST YEAR

	<i>1st</i> <i>Sem.</i>	<i>2nd</i> <i>Sem.</i>
Grammar, Composition and Literature (Eng. 101-2).....	3	3
Foreign Language.....	3	3
History of Europe (Hist. 101-2).....	3	3
Biological Science (Biol. 101-2) or Elementary General Chemistry (Chem. 101-2) or General Physics (Physics 101-2).....	5	5
Physical Education (Phys. Ed. 101-2).....	1	1
	<hr/> 15	<hr/> 15

SECOND YEAR

English Literature (English 201-2) or Introduction to the Arts (Fine Arts 201-2).....	3	3
Foreign Language.....	3	3
History of Philosophy (Philosophy 201-2) or Mathematics (Math. 101-2).....	3	3
Principles of Accounting (Bus. 201-2).....	3	3
Principles of Economics (Econ. 201-2).....	3	3
Physical Education (Phys. Ed. 201-2).....	1	1
	<hr/> 16	<hr/> 16

THIRD YEAR

Money and Banking (Econ. 301-2).....	3	3
Marketing Principles and Problems (Bus. 311).....	3	—
Statistics (Econ. 331).....	—	3
Introduction to Business Enterprise (Bus. 327).....	3	—
Investments (Econ. 424).....	—	3
Intermediate Accounting (Bus. 301-2).....	3	3
Cost Accounting (Bus. 403).....	4	—
Auditing Theory and Procedure (Bus. 404).....	—	3
	<hr/> 16	<hr/> 15

	<i>1st Sem.</i>	<i>2nd Sem.</i>
FOURTH YEAR		
Federal Taxation.....	—	3
Contracts.....	3	—
Contracts and Sales.....	—	3
Legal Writing.....	—	3
Property I.....	4	—
Civil Procedure.....	5	—
Torts.....	—	4
Corporation Finance (Econ. 423).....	3	—
Advanced Accounting (Bus. 401-2).....	3	3
	18	16
	A.B. Degree	

FIFTH YEAR		
Family Law.....	—	2
Negotiable Instruments.....	—	3
Constitutional Law.....	—	4
Business Associations I.....	3	—
Creditors Rights.....	—	4
Administrative Law.....	3	—
Criminal Law.....	—	3
Law Electives.....	10	—
	16	16

SIXTH YEAR			
<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
Conflict of Laws.....	3	Business Associations II.....	3
Evidence.....	3	Government Regulation of Business.....	3
Legislation.....	2	Property II.....	3
Trusts and Estates.....	4	Law Electives.....	7
Law Electives.....	5		
	17		16
			BCL Degree

SEVENTH YEAR			
<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
Public Finance (Econ. 421).....	3	National Financial Policy (Econ. 422).....	3
State and Local Taxation.....	3	Advanced Income Taxation.....	4
Survey of Tax Literature.....	3	Estate and Gift Taxation.....	3
Tax Administration and Procedure.....	3	Preparation of Tax Forms.....	2
Tax Research.....	3	Tax Litigation.....	2
		Tax Research.....	1
	15		15
			Master of Law and Taxation Degree

Mathematics

PROFESSOR YATES (*Head of the Department*). ASSOCIATE PROFESSORS CALKINS, DeSUA, LEE and SMITH. ASSISTANT PROFESSOR CATO. LECTURER LEONARD.

REQUIREMENTS FOR CONCENTRATION

Concentration in Mathematics consists of thirty or more semester hours in Mathematics, including Mathematics 201, 202, 203, and 302. At least fifteen hours must be in the 300 and 400 range, excluding Math. 475.* *Engineering Graphics* 201 and 202 will not be counted towards a concentration in Mathematics.

DESCRIPTION OF COURSES

101, 102. *Fundamentals of College Mathematics*. Continuous course; lectures three hours; three credits each semester. STAFF.

101: Review of algebraic operations. Graphs in rectangular coordinates. Function. Geometric series. Limits. The derivative with applications to geometry, maximum and minimum values, and to plane motion. The anti-derivative with application to areas and plane motion. Graphs and zeros of polynomials. Determinants. Common logarithms.

102: Logarithms. Numerical and analytical trigonometry. Derivatives of some transcendental functions. Polar coordinates. Analytic geometry of lines, circles, and conics.

201, 202, 203. *Calculus*. Continuous course; lectures three hours; three credits each semester. Prerequisites: Math. 101 and 102 or consent of the head of the department. STAFF.

*Math. 475 is a course designed for the in-service teacher. See Summer School or Evening College catalogue for description.

201: Sequences and limits. Function. Derivative and anti-derivative. Differentiation of algebraic and transcendental functions. Applications to geometry, maximum and minimum values, and to plane motion. Law of the Mean for derivatives.

202: Law of the Mean for derivatives. l'Hospital's rule. Plane motion. Curvature. The definite integral and its application to arc length, area, volume. Approximations. Technique of integration. Applications to center of gravity, fluid pressure and work.

203: Infinite series and Taylor's formula. Convergence tests, operations, and applications. Functions of several variables with lines, curves, planes, and surfaces. Partial derivative. Definite multiple integrals and applications to areas, volumes, moments. Cylindrical and spherical coordinates.

205. *Analytics*. First semester; lectures three hours; three credits. Prerequisites: Math. 101, 102, or the consent of the head of the Department. STAFF.

Plane graphs in rectangular and polar coordinates. The derivative and anti-derivative with applications to geometry, area, plane motion. The conics. Cams, gears, and link motion. Mapping transformations. Planes and surfaces, lines and curves, their tangents and normals. Ruled surfaces and surfaces of revolution. Quadrics. Volumes.

206. *Modern Mathematics*. Second semester; lectures three hours; three credits. Prerequisites: Math. 101, 102, or the consent of the head of the department. MR. DESUA.

An introduction to topics of mathematics most recently developed and applied in fields including the social and biological sciences. Elementary logic, sets, probability theory, matrices, linear optima, and the theory of games. The course serves the student interested in cultural aspects whether or not a mathematics major. Recommended for prospective teachers.

302. *Differential Equations*. Both semesters; lectures three hours; three credits. Prerequisite: Math. 203 or the consent of the head of the department. STAFF.

Ordinary differential equations. Laplace Transform. Series solutions of Legendre and Bessel equations. Solution of partial differential equations by separation of variables. Applications in geometry, physics, and engineering.

304. *Probability and Statistics*. Second semester; lectures three hours; three credits. Prerequisite: Math. 202. MR. SMITH.

Permutations and combinations. The random variable, expected value, variance and covariance. Discrete and continuous probability distributions. Generating functions. General limit theorems. Practical illustrations from various domains. Tests of hypotheses. Non-parametric methods. (Alternates with Math. 306.)

306. *Numerical Analysis and Actuarial Mathematics*. Second semester; lectures three hours; three credits. Prerequisite: Math. 202. (Math. 307 is advised.) MR. SMITH.

Fundamental processes of numerical analysis. Finite differences. Interpolation, quadrature, and approximations. Introduction to programming. The content is useful in physics, engineering, and actuarial science, as well as in Mathematics. (Alternates with Math. 304. Not offered in 1959-1960.)

307. *Algebra*. First semester; lectures three hours; three credits. Prerequisite: Math. 201 or the consent of the head of the department. MR. YATES.

The number system. The nature of proof. Boolean algebra. Sets. Introduction to groups, rings, and fields. Matrices and determinants. Applications to systems of equations, geometry, and electrical circuits. Recommended for prospective teachers.

308. *Geometry*. Second semester; lectures three hours; three credits. Prerequisite: Math. 201 or the consent of the head of the department. MR. YATES.

Axioms and deductive reasoning. Some advanced euclidean geometry including cross ratio and inversion. Synthetic and

coordinate projective geometry. Duality. Perspectivity. Conics. Transformations. Hyperbolic and elliptic geometries. Recommended for prospective teachers.

403. *Advanced Calculus*. First semester; lectures three hours; three credits. Prerequisite: Math. 203. MR. LEE.

Real numbers; point sets; the Heine-Borel and Bolzano-Weierstrass theorems. Limits; continuity; and uniform continuity. Sequences and series of functions; uniform convergence. The Riemann-Stieltjes integral. Functions of several variables.

404. *Survey of Mathematics*. Second semester; lectures three hours; three credits. Prerequisite: Math. 302 or the consent of the head of the department. MR. YATES.

Intended to refresh the senior by a résumé of fundamental concepts, techniques, and applications of college mathematics from an advanced and mature viewpoint.

405, 406. *Functions of a Complex Variable and Fourier Series*. Continuous course; lectures three hours; three credits each semester. Prerequisites: Math. 203, 302. MR. LEE.

Analytic functions. Conformal mapping with application to problems of flow. Derivatives and line integrals. Taylor and Laurent Series. Residues and poles. Evaluation of real definite integrals. The last half of the second semester is devoted to Fourier analysis with application to certain boundary value problems.

407. *Vector Analysis*. First semester; lectures three hours; three credits. Prerequisites: Math 203, 302. MR. CATO.

Vector algebra. Vector calculus. Differential and integral invariants. Applications to geometry, mechanics, and physics. Elementary tensors.

408. *Matrices*. Second semester; lectures three hours; three credits. Prerequisite: Consent of the head of the department. (Math. 307 recommended.) MR. CATO.

The algebra and calculus of matrices; application to linear equations and quadratic forms; the Hamilton-Cayley and Syl-

vester theorems. Characteristic values and vectors. Matrix solution of differential equations. Canonical forms for matrices. Introduction to group theory.

410. *Special Topics*. Either semester; lectures two hours; two credits. Prerequisite: Consent of the head of the department. MR. YATES.

Topics selected from Projective Geometry, Differential Geometry, Transform Calculus, Boundary Value Problems, Servomechanisms, etc.

Engineering Graphics 201, 202. *Engineering Drawing and Descriptive Geometry*. Continuous course; laboratory six hours; three credits each semester. MR. SMITH.

Fundamentals of Engineering Drawing and Descriptive Geometry. Orthographic projection, auxiliary views. Isometric, oblique projection and drawing; perspective; machine parts such as screws, gears, valves, cams. Lettering. Graphic and analytic solutions of engineering and geometric problems. Intersection and development of surfaces.

Military Science and Tactics¹

PROFESSOR LT. COL. CARSON (*Head of the Department.* ASSISTANT PROFESSORS MAJOR CAKE and CAPTAIN FUQUA.

DESCRIPTION OF COURSES

101, 102. *First Year Basic.* Continuous course; lecture two hours; laboratory (drill) two hours; two credits each semester.

American Military History: Military history as it has affected the organization, tactical, social and similar patterns of our present-day army. Individual Weapons and Marksmanship: Fundamentals of marksmanship and good shooting habits. School of the Soldier and Exercise of Command.

201, 202. *Second Year Basic.* Continuous course; lecture two hours; laboratory (drill) two hours; two credits each semester.

Crew Served Weapons and Gunnery: Familiarization with all types of infantry crew served weapons used in the army and an explanation of gunnery principles and methods of fire control. Map and Aerial Photograph Reading: Basic principles of maps and aerial photograph reading. School of the Soldier and Exercise of Command.

301, 302. *First Year Advanced.* Continuous course; lecture four hours; laboratory (drill) two hours; four credits each semester.

Small Unit Tactics and Communications: Provides the student with the principles and fundamentals of small unit tactics and of the communication systems used in the infantry division. Organization, Function and Mission of the Arms and Services; familiarization of the organization, function and mission of the

¹Students who enroll in either the basic or advanced courses will be required to complete the course in which they are enrolled in order to receive college credit for any part of the two-year course. However, in cases where a student is forced to drop from the ROTC because of physical disability or other bona fide reasons beyond his control, the Professor of Military Science and Tactics may, at his discretion, recommend to the college authorities that the student be given credit for a part of or all of his completed work.

various arms and services in the overall mission of the Army. Military Teaching Methods: Develops an understanding of the principles, methods and techniques of military instructions. Leadership: Responsibilities and basic qualities of a leader, human behavior and adjustment to army life. School of the Soldier and Exercise of Command.

401, 402. *Second Year Advanced*. Continuous course; lectures four hours, laboratory (drill) two hours; four credits each semester.

Logistics: A study of the fundamentals of supply and movement of small units. Operations: Provides the student with an understanding of staff organizations, staff duties, combat orders and military intelligence. Familiarization with the military team from the squad up to and including the regimental combat team. Military Administration and Personnel Management: Provides the student with the basic concepts and fundamentals of military administration and military justice. Service Orientation: An orientation on geographical and economic factors, their influence on the division of peoples into nations and the causes of war. School of the Soldier and Exercise of Command.

Modern Languages¹

PROFESSORS BANNER (*Head of the Department*), OUSTINOFF.
ASSOCIATE PROFESSORS CARTER, KORPI, McCARY, REBOUS-
SIN, RINGGOLD, and STONE. ASSISTANT PROFESSORS
HOFFMAN, KALLOS, MOORE, and WATERS.
INSTRUCTOR COKE.

Courses in the 100 and 200 groups are designed to give a well-rounded linguistic experience, including the spoken as well as the written language, and to develop an awareness and appreciation of other cultures.

Courses in the 300 and 400 groups are designed to give further experience in the principal facets of language study, a reasonable knowledge of the literature, some experience in literary criticism, to the end that the student may experience in some degree the humanizing process which derives from the study and understanding of foreign languages and cultures. Courses in the 300 and 400 groups are conducted in the foreign language.

Students concentrating within the area of Modern Languages are required to take six hours of Ancient Language.

FRENCH

REQUIREMENTS FOR CONCENTRATION

The following courses are required for concentration in French, and should be taken in this order: French 301, 302, 303, 305, 306, 401, 403, 404, 406.

Students planning to concentrate in French are advised to choose Latin to satisfy the requirement of six semester credits in an Ancient Language.

DESCRIPTION OF COURSES

101,² 102. *Elementary French*. Continuous course; lectures three hours; three credits each semester. Students who have

¹The distribution requirements for foreign languages are indicated on page 88. All language requirements for a degree should be begun in the freshman year.

²No credit will be counted toward a degree for the first semester of an elementary foreign language unless followed by the successful completion of the second semester of that language.

acquired two high school units in French may not take French 101, 102 for credit. STAFF.

201. *Graded Readings in French Prose.* Both semesters; lectures three hours; three credits. Prerequisite: two high school units or the equivalent. Students who have acquired three high school units in French may not take French 201 for credit. STAFF.

Reading course that includes a grammar review.

202. *Readings in Modern Literature.* Both semesters; lectures three hours; three credits. Prerequisite: three high school units or French 201 or the equivalent. STAFF.

Selected readings from the literature of the nineteenth and twentieth centuries.

205. *Intermediate Conversation.* Both semesters; lectures three hours; three credits. Prerequisite: three high school units, or one 200 course, or the equivalent. MR. OUSTINOFF.

Phonetics; intensive oral aural training.

206. *Intermediate Grammar and Composition.* Both semesters; lectures three hours; three credits. Prerequisite: three high school units, or one 200 course, or the equivalent. MR. WATERS, MR. RINGGOLD.

Review of main principles of syntax. Composition.

207. *Advanced Readings in French Literature.* First semester; lectures three hours; three credits. Prerequisite: three high school units, or one 200 course or the equivalent. MR. McCARY, MR. REBOUSSIN, MR. RINGGOLD.

Selected readings from the literature of the seventeenth, eighteenth, and nineteenth centuries. A reading course designed as an introductory step to the 300 courses in literature.

208. *The French Heritage.* Second semester; lectures three hours; three credits. Prerequisite: three high school units or one 200 course or the equivalent. MR. McCARY, MR. REBOUSSIN, MR. RINGGOLD.

Reading course embodying the most important elements of French civilization, designed as an introductory step to the 300 courses in literature.

301. *Classical Literature.* First semester; lectures three hours; three credits. Prerequisite: French 207 or 208 or the equivalent. MR. McCARY.

Literary trends of the seventeenth century; study of representative works. The course also includes a short review of the main principles of French versification.

302. *Literature of the Eighteenth Century.* Second semester; lectures three hours; three credits. Prerequisite: French 207 or 208 or the equivalent. MR. OUSTINOFF.

Literary trends of the eighteenth century; study of representative works.

303. *Advanced Grammar and Composition.* Second semester; lectures three hours; three credits. Prerequisite: French 206 and another 200 course or the equivalent. MR. RINGGOLD.

Advanced syntax and intensive written work.

305, 306. *Advanced Conversation.* Continuous course; lectures three hours; three credits. Prerequisite: French 206 and another 200 course or the equivalent. MR. REBOUSSIN.

Advanced intensive oral aural training.

401. *The Middle Ages and the Sixteenth Century.* First semester; lectures three hours; three credits. Prerequisites: French 301 and 302 or the equivalent. MR. STONE.

Survey of literature up to 1600. Study of representative works.

403. *Romanticism.* First semester; lectures three hours; three credits. Prerequisites: French 301 and 302 or the equivalent. MR. REBOUSSIN.

Romantic movement and its principal exponents; study of representative works.

404. *Realism, Naturalism, and Symbolism.* Second semester; lectures three hours; three credits. Prerequisites: French 301 and 302 or the equivalent. MR. REBOUSSIN.

Nature of these literary currents; study of representative authors and works.

406. *Contemporary Literature*. Second semester; lectures three hours; three credits. Prerequisites: French 301 and 302 or the equivalent. MR. WATERS.

Contemporary literary trends; study of representative authors and works.

GERMAN

REQUIREMENTS FOR CONCENTRATION

The following courses are required for concentration in German, and should be taken in the following order. German 202, 301, 302, 305, 401, 403, and 404.

DESCRIPTION OF COURSES

101, 102. *Elementary German*. Continuous course; lectures three hours; three credits each semester. Students who have acquired two high school units in German may not take German 101, 102 for credit. STAFF.

201. *The German Speaking Peoples and Their Civilization*. First semester; lectures three hours; three credits. Students who have acquired three high school units in German may not take German 201 for credit. STAFF.

A reading course which includes a grammar review.

202. *Readings in Masterpieces of German Literature*. Second semester; lectures three hours; three credits. Prerequisite: three high school units or 201 or the equivalent. MR. KORPI.

Selected readings from the masterpieces of German literature.

204. *Scientific German*. Second semester; lectures three hours; three credits. Prerequisite: three high school units or 201 or the equivalent. MR. KORPI.

Reading of scientific texts in chemistry, physics, biology, and general science.

205. *Intermediate Conversation, Composition and Grammar Review*. First semester; lectures three hours; three credits. Prerequisite: three high school units or the equivalent. MR. KORPI or MR. KALLOS.

Practical oral aural training including a grammar review.

301. *Survey of German Literature.* First semester; lectures three hours; three credits. Prerequisite: two 200 courses or the equivalent. MR. KALLOS.

Main currents of German Literature from its origin through the Baroque period; study of representative works.

302. *German Classicism.* Second semester; lectures three hours; three credits. Prerequisite: two 200 courses or the equivalent. MR. KALLOS.

Reading and interpretation of the chief works of Lessing, Goethe, and Schiller.

303. *Advanced Scientific German.* First semester; lectures three hours; three credits. Continuation of German 204. Prerequisite: German 204. MR. KORPI.

Translating of difficult scientific articles in biology, chemistry, physics, general science, engineering, manufacturing, medicine, and psychology.

305. *Advanced German Composition and Conversation.* First semester; lectures three hours; three credits. Prerequisites: German 202 and 205 or the equivalent. MR. KORPI.

401. *From Romanticism to Poetic Realism.* First semester; lectures three hours; three credits. Prerequisite: German 301 or 302. MR. KORPI or MR. KALLOS.

The Romantic Schools, political writers, the "Young Germany" circle, poetic realism, naturalism, impressionism; reading and interpretation of representative works.

402. *Modern German Literature.* Second semester; lectures three hours; three credits. Prerequisite: German 301. MR. KORPI.

Principal literary trends; reading and interpretation of representative works.

403. *German Poetry.* First semester; lectures three hours; three credits. Prerequisite: German 301 or 302 or 401. MR. KORPI or MR. KALLOS.

Reading and interpretation of outstanding poetic works from the eighteenth century to the present.

404. *The Faust Sagas and Goethe's Faust*. Second semester; lectures three hours; three credits. Prerequisite: German 301 or 302. MR. KORPI or MR. KALLOS.

Reading and interpretation of Goethe's Faust (First Part), and a study of its historical background and sources.

ITALIAN¹

301², 302. *Elementary Italian*. Continuous course; lectures three hours; three credits each semester. Open to those students who have completed the distribution requirement in foreign language, or with special permission of the Chairman of the Department. MR. COKE.

401. *The Dugento and Trecento*. First semester; lectures three hours; three credits. Prerequisites: Italian 301 and 302 or the equivalent. MR. COKE.

A study of the masterpieces of the early Renaissance.

402. *The Quattrocento and Cinquecento*. Second semester; lectures three hours; three credits. Prerequisites: Italian 301 and 302 or the equivalent. MR. COKE.

Study of the masterpieces of the later Renaissance.

RUSSIAN¹

301,³ 302. *Elementary Russian*. Continuous course; lectures three hours; three credits each semester. Open to those students who have completed the distribution requirements in foreign language, or with special permission of the chairman of the department. MR. OUSTINOFF.

401. *Intermediate Russian*. First semester; lectures three hours; three credits. Prerequisites: Russian 301 and 302 or the equivalent. MR. OUSTINOFF.

Review of the fundamentals of grammar and pronunciation and reading of moderately difficult texts.

¹Owing to limited instructional facilities, enrollment will be restricted.

²No credits will be counted toward the degree for Italian 301 unless followed by the successful completion of Italian 302.

³No credits will be counted toward the degree for Russian 301 unless followed by the successful completion of Russian 302.

402. *Readings in Masterpieces of Russian Literature.* Second semester; lectures three hours; three credits. Prerequisites: Russian 301 and 302 or the equivalent. MR. OUSTINOFF.

Selected readings from Russian literature of the 19th century.

SPANISH

REQUIREMENTS FOR CONCENTRATION

The following courses are required for concentration in Spanish; and should be taken in this order: 301, 302, 303, 305, 306, and four of the following courses 401, 402, 403, 404, 406.

Students planning to concentrate in Spanish are advised to choose Latin to satisfy the requirement of six semester credits in an Ancient Language.

DESCRIPTION OF COURSES

101, 102. *Elementary Spanish.* Continuous course; lectures three hours; three credits. Students who have acquired two high school units in Spanish may not take 101, 102 for credit. STAFF.

201. *Intermediate Spanish Readings.* Both semesters; lectures three hours; three credits. Prerequisite: two high school units or the equivalent. Students who have acquired three high school units in Spanish may not take 201 for credit. STAFF.

A reading course which includes a grammar review.

202. *Readings in Modern Literature.* Both semesters; lectures three hours; three credits. Prerequisite: three high school units, or one 200 course or the equivalent. STAFF.

Selected readings from the literature of the nineteenth and twentieth centuries.

205. *Intermediate Conversation.* Both semesters; lectures three hours; three credits. Prerequisite: three high school units or one 200 course or the equivalent. MR. BANNER.

Phonetics; intensive oral aural training.

206. *Intermediate Grammar and Composition.* Both semesters; lectures three hours; three credits. Prerequisite: three high school units or one 200 course or the equivalent. MR. BANNER.

Review of main principles of syntax; composition.

207. *The Spanish Heritage*. First semester; lectures three hours; three credits. Prerequisite: three high school units or one 200 course or the equivalent. MR. HOFFMAN, MR. MOORE.

Reading course embodying the most important elements of Hispanic civilization, designed as an introductory step to the 300 courses in literature.

208. *Readings in Masterpieces of Spanish Literature*. Second semester; lectures three hours; three credits. Prerequisite: three high school units or one 200 course or the equivalent. MR. MOORE, MR. HOFFMAN.

Selected readings from Spanish Literature from the beginning to the present. A reading course designed as an introductory step to 300 courses in literature.

301. *Spanish Literature from the Beginning to 1700*. First semester; lectures three hours; three credits. Prerequisite: Spanish 207 or 208 or the equivalent. MR. MOORE.

Survey of Spanish Literature from its beginning to the end of the Golden Age. Study of representative works.

302. *Spanish Literature from 1700 to the Present Time*. Second semester; lectures three hours; three credits. Prerequisite: Spanish 207 or 208 or the equivalent. MR. BANNER.

Survey of Spanish Literature from 1700 to the present. Study of representative works.

303. *Advanced Grammar and Composition*. Second semester; lectures three hours; three credits. Prerequisites: Spanish 206 and another 200 course or the equivalent. MR. STONE.

Advanced syntax and intensive written work.

305, 306. *Advanced Conversation*. Continuous course; lectures three hours; three credits. Prerequisites: Spanish 206 and another 200 course or the equivalent. MR. STONE.

Advanced intensive oral aural training.

401. *The Novel*. First semester; lectures three hours; three credits. Prerequisites: Spanish 301 and 302 or the equivalent. MR. STONE.

Survey of the early novel with detailed study of the modern novel since Romaniticism. Study of representative works.

402. *Drama of the Golden Age*. First semester; lectures three hours; three credits. Prerequisites: Spanish 301 and 302 or the equivalent. MR. BANNER.

Survey of the drama from its beginning. Detailed study of the drama of the Golden Age. Study of representative works.

403. *Cervantes*. Second semester; lectures three hours; three credits. Prerequisites: Spanish 301 and 302 or the equivalent. MR. MOORE.

The life and works of Cervantes with particular emphasis on the Quijote and the *Novelas Ejemplares*.

404. *Drama of the 19th Century*. Second semester; lectures three hours; three credits. Prerequisites: Spanish 301 and 302 or the equivalent. MR. BANNER.

Principal movements and authors in the drama of the 19th century. Study of representative works.

406. *Survey of Spanish American Literature*. Second semester; lectures three hours; three credits. Prerequisites: Spanish 301 and 302 or the equivalent. MR. HOFFMAN.

Principal literary movements in Spanish America. Study of representative works.

HONORS STUDY

495, 496. *Honors*. Continuous course; hours to be arranged; three credits each semester. STAFF.

Students admitted to Honors Study in Modern Languages will be enrolled in this course during both semesters of their senior year in lieu of six required hours in the field of concentration. The course comprises (a) supervised reading of a general bibliography in the language and literature of the student's field of concentration; (b) supervised reading of a special bibliography in the field of the student's major interest; (c) presentation by May 1 of a satisfactory Honors Essay in the field of the student's major interest; and (d) satisfactory performance in a comprehensive oral examination in the field of the student's major interest.

Music

PROFESSOR HAIGH (*Head of the Department*). ASSOCIATE
 PROFESSORS FEHR, STEWART, and VARNER. INSTRUCTOR
 PALEDES. LECTURERS FLATH and McCANDLESS.

REQUIREMENTS FOR CONCENTRATION

For concentration in Music, the student must elect 12 credits in Music Theory, 6 credits in Music History (411, 412), 8 credits in Applied Music, and 10 more credits in Music selected in consultation with his adviser.

SPECIAL CONCENTRATION PROGRAMS

PROGRAMS PREPARING FOR THE VIRGINIA COLLEGIATE PROFESSIONAL CERTIFICATE IN MUSIC

I. FOR TEACHING IN ELEMENTARY SCHOOLS

	<i>1st</i>	<i>2nd</i>
FIRST YEAR	<i>Sem.</i>	<i>Sem.</i>
Grammar, Composition, and Literature (Eng. 101-102).....	3	3
Foreign Language.....	3	3
Introductory Biology (Bio. 101-102).....	} 5	5
or		
Elementary General Chemistry (Chem. 101-102).....		
or		
Elementary Physics (Phys. 103-104).....	3	3
History of Europe (Hist. 101-102).....	2	2
Theory I (Music 201-202).....	1	1
Physical Education (Phys. Ed. 101-102).....	1	1
Total Semester Credits.....	17	17
SECOND YEAR		
English Literature (Eng. 201-202).....	3	3
Foreign Language.....	3	3
Freshman Mathematics (Math. 101-102).....	3	3
Principles of Economics (Econ. 201-202).....	} 3	3
or		
Introduction to Government and Politics (Govt. 201-202).....	—	3
American History (Hist. 202).....	1	—
Applied Music (Instruction in Voice).....	1	—
Applied Music (Instruction in Piano).....	1	1
Applied Music (Organizations).....	1	1
Physical Education (Phys. Ed. 201-202).....	1	1
Total Semester Credits.....	16	17

THIRD YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>
Fundamentals of Education (Ed. 301).....	3	—
Fundamentals of Elementary Education (Ed. E302).....	—	3
Health Education for Teachers (Ed. 317).....	3	—
Materials and Methods in the Elementary School (Ed. E304).....	—	3
Theory II (Music 301, 302).....	3	3
Music in the Elementary School (Music 321).....	3	—
Music in the Secondary School (Music 322).....	—	3
Instrumental Materials and Methods (Music 323).....	3	—
Instrumental Materials and Methods (Music 324).....	—	—
or		
Choral Materials and Procedures (Music 328).....	—	3
Choral and Instrumental Conducting (Music 325, 326).....	1	1
Applied Music (Instruction).....	1	1
Applied Music (Organizations).....	1	1
	<hr/>	<hr/>
Total Semester Credits.....	18	18

FOURTH YEAR

Supervised Teaching, Primary and Upper Elementary Grades (Ed. E401, E402).....	3	3
Materials and Methods in the Elementary School (Ed. E305).....	3	—
Geography (Govt. 314).....	—	3
English Elective.....	3	3
Theory III (Music 401).....	3	—
History of Music (Music 411, 412).....	3	3
Applied Music (Instruction).....	1	2
Applied Music (Organizations).....	1	1
	<hr/>	<hr/>
Total Semester Credits.....	17	15

II. FOR TEACHING IN SECONDARY SCHOOLS

FIRST YEAR

Same courses as under I. Elementary

SECOND YEAR

Same courses as under I. Elementary

Music

213

THIRD YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>
Fundamentals of Education (Ed. 301).....	3	—
Fundamentals of Secondary Education (Ed. S302).....	—	3
Health Education for Teachers (Ed. 317).....	—	3
Principles of Teaching in the Secondary School (Ed. S403).....	3	—
Theory II (Mus. 301, 302).....	3	3
Music in the Elementary School (Mus. 321).....	3	—
Music in the Secondary School (Mus. 322).....	—	3
Instrumental Materials and Methods (Mus. 323).....	3	—
Instrumental Materials and Methods (Mus. 324).....	} —	3
or		
Choral Materials and Procedures (Mus. 328).....		
Choral and Instrumental Conducting (Mus. 325, 326).....	1	1
Applied Music (Instruction).....	1	1
Applied Music (Organizations).....	1	1
Total Semester Credits.....	18	18

FOURTH YEAR

Supervised Teaching (Ed. S401, S402).....	3	3
Theory III (Mus. 401, 402).....	3	3
Orchestration and Choral Arranging (Mus. 405, 406).....	} 3	3
or		
Form and Analysis (Mus. 403, 404).....		
History of Music (Mus. 411, 412).....	3	3
Applied Music (Instruction).....	1	2
Applied Music (Organizations).....	1	1
Elective.....	3	—
Total Semester Credits.....	17	15

Prospective music teachers are strongly advised to begin the study of music as early as possible. It is not ordinarily possible to complete the requirements for certification in Virginia in less than a three-year period. For the fullest preparation for teaching, it is recommended that the student take work in the Summer Session or during a regular semester after the requirements for the A.B. degree have been completed.

DESCRIPTION OF COURSES

THEORY

201, 202. *Theory I.* Continuous course; lectures two hours; two credits each semester. MR. STEWART.

First semester, fundamental terms and concepts of music, the elements of notation, scales and tone systems; second semester, style in music, and the underlying principles of musical structure.

203. *Ear Training, Sight Singing, and Dictation.* Both semesters; lectures two hours, laboratory two hours; three credits. MR. STEWART.

301, 302. *Theory II.* Continuous course; lectures three hours; three credits each semester. Prerequisites: Music 201, 202. MR. STEWART.

First year harmony; an elementary course dealing with triads, seventh chords, and non-chord tones.

401, 402. *Theory III.* Continuous course; lectures three hours; three credits each semester. Prerequisites: Music 301, 302. MR. STEWART.

A continuation of first year harmony, dealing with simple and extended alterations, secondary dominants, and modulation. Second semester, beginning counterpoint.

403, 404. *Form and Analysis.* Continuous course; lectures three hours; three credits each semester. Prerequisites: Music 301, 302. MR. STEWART.

The structural processes and forms of music, studied through analysis of examples of various periods and styles.

405, 406. *Orchestration and Choral Arranging.* Continuous course; lectures two hours; two credits each semester. Prerequisites: Music 301, 302. MR. STEWART and MR. FEHR.

First semester, orchestration; second semester, choral arranging.

MUSIC HISTORY AND LITERATURE

211, 212. *Introduction to Music*. Continuous course; lectures two hours; listening and quiz one hour; three credits each semester. MR. HAIGH, MR. PALEDES.

This course is designed to meet the needs of students interested in music, without regard to previous training and experience. It is not open to juniors and seniors concentrating in Music. The course traces the development of the art of music through the various historical periods, and familiarizes the student with the more important composers and their works. A synopsis of style, form, and theory is included. The first semester goes to 1750; the second semester, from 1750 to the present.

312. *The Symphony*. Second semester; lectures two hours; two credits. MR. HAIGH.

A study of representative symphonic works of various periods, and of their style, form, and orchestral setting. The course is conducted on an intermediate level, and is open to all students, including Music concentrators.

313. *Great Composers*. First semester; lectures two hours; two credits. MR. HAIGH.

The composers studied will be varied from time to time to suit the interests of the class. The course is conducted on an intermediate level, and is open to all students, including Music concentrators.

*411, 412. *History of Music*. Continuous course; lectures three hours; three credits each semester. MR. HAIGH.

First semester, beginnings to Beethoven; second semester, Beethoven to present.

†413, 414. *Problems in Music*. Either semester. Two or three credits per semester. For seniors only. STAFF.

Individual advanced work under the direction of the instructor.

MUSIC EDUCATION

320. *Music for Elementary School Teachers.* Both semesters; lectures three hours; three credits. MR. STEWART and MR. VARNER.

A course designed for prospective general teachers in the elementary grades. Not open to Music concentrators.

321. *Music in the Elementary School.* First semester; lectures three hours; three credits. MR. VARNER.

Problems confronting the teacher of music in the elementary schools, and methods of instruction appropriate to the several grades. Primarily for Music concentrators.

322. *Music in the Secondary School.* Second semester; lectures three hours; three credits. MR. VARNER.

Materials and methods of instruction on the secondary school level.

323, 324. *Instrumental Materials and Methods.* Continuous course; lectures three hours; three credits each semester. MR. VARNER.

A study of the techniques and teaching methods of representative instruments of the orchestra and band.

325, 326. *Choral and Instrumental Conducting.* Continuous course; lecture one hour; one credit each semester. MR. FEHR and MR. VARNER.

Study and practice in the technique of the baton; problems of organizing musical groups.

328. *Choral Materials and Procedures.* Second semester; lectures three hours; three credits. MR. FEHR.

A study of vocal and choral techniques and teaching methods.

†521, 522. *Graduate Seminar in Music.* Three credits per semester. STAFF.

Individual advanced work under the direction of the instructor.

†APPLIED MUSIC

The College offers individual and group instruction in Voice, and individual instruction in Organ, Piano, and Orchestral instruments. A fee is charged for individual instruction of seventy-five dollars per semester for hour lessons, and forty dollars per semester for half-hour lessons. A fee of twenty dollars per student per semester is charged for group instruction.

- *101. Voice Class. MR. FEHR.
- *102. Individual instruction, Voice. MR. FEHR.
- *103. Individual instruction, Piano. MR. HAIGH, MR. PALEDES.
- †104. Individual instruction, Organ. STAFF.
- *105. Individual instruction, String instruments. MR. STEWART.
- *106. Individual instruction, Woodwind instruments. MR. VARNER.
- †107. Individual instruction, Brass instruments. STAFF.
- *111. Band. MR. VARNER.
- *112. Choir. MR. FEHR.
- *113. Chorus. MR. FEHR.
- *114. Orchestra. MR. STEWART.

These courses may be repeated, within the limitations given in the last paragraph below.

One or two credits per semester are offered for individual or group instruction in Voice, and for individual instruction in Instrumental Performance. Students will be assigned to elementary, intermediate, or advanced sections on the basis of proficiency, which will be determined, in the case of new students, by a placement test. New students, elementary students, and freshmen and sophomores can ordinarily earn only one credit. Two credits are granted only to advanced students doing very

exceptional work. Elementary students are advised to register for half-hour lessons. The preparation and achievement requirements for half-hour lessons are the same as those for hour lessons.

For participation in rehearsals and public performances of the College Choir, the William and Mary Chorus, the William and Mary Band, and the William and Mary Orchestra, one credit per semester will be given.

A maximum of ten credits may be earned through instruction courses, and a maximum of four credits may be earned through membership in musical organizations. Prerequisite for all courses in Applied Music: Music 201, 202, or 203, which may be taken concurrently. No credit in Applied Music is given until the prerequisite has been satisfactorily completed.

Philosophy

PROFESSOR MACDONALD (*Acting Head of the Department*).

ASSISTANT PROFESSORS STUCKY and FOSTER.

LECTURER PEARCE.

REQUIREMENTS FOR CONCENTRATION

Students concentrating in Philosophy must take at least twenty-seven credits in Philosophy and three in Psychology. The twenty-seven credits in Philosophy must include Philosophy 201, 202 (*The History of Philosophy*) and Philosophy 301 (*Introduction to Logic*).

DESCRIPTION OF COURSES

201, 202. *The History of Philosophy*. Continuous course; lectures three hours; three credits each semester. MR. MACDONALD.

This course is a historical introduction to philosophy. The first semester will treat the history of ancient and medieval philosophy; the second semester, the history of modern philosophy. Special attention will be devoted in the first semester to Plato and Lucretius, and in the second semester to Descartes, Berkeley, Hume, and Schopenhauer.

211-212. *Sophomore Seminar in Philosophy*. Continuous course; seminar two hours; two credits each semester. Prerequisite: Consent of the instructors. STAFF.

Directed reading, discussion, and presentation of papers on related topics in philosophy. Enrollment is limited to approximately twelve students.

301. *Introduction to Logic*. Both semesters; lectures three hours; three credits. MR. MACDONALD.

An introduction to modern symbolic logic. Emphasis upon applications.

302. *Intermediate Logic*. Second semester; lectures three hours; three credits. MR. MACDONALD.

A continuation of Phil. 301.

303. *Ethics*. First semester; lectures three hours; three credits. MISS STUCKY.

A philosophical investigation into the nature and obligations of man.

304. *Aesthetics*. Second semester; lectures three hours; three credits. MR. FOSTER.

The foundations of aesthetic apprehension and judgment, with special reference to music and to the visual and literary arts.

305. *American Philosophy*. Second semester; lectures three hours; three credits. MISS STUCKY.

Studies in the history of American thought, from the beginnings.

306. *Contemporary Philosophy*. First semester; lectures three hours; three credits. MISS STUCKY.

Examination of major types and movements in Twentieth Century philosophy: e.g., naturalism, idealism, realism, pragmatism, intuitionism, existentialism.

308. *Seventeenth Century Thought*. First semester; lectures three hours; three credits. MISS STUCKY.

Leading problems in Seventeenth Century thought: e.g., scientific method, science and religion, religious and political toleration, aesthetic standards.

310. *Philosophy of Religion*. Second semester; lectures three hours; three credits. MISS STUCKY.

The aim of this course is to investigate the philosophical foundations and implications of some of the world's great religions. The procedure will be to concentrate on selected writings of leading and representative religious thinkers, both ancient and modern.

312. *Philosophical Problems*. First semester; lectures three hours; three credits. Prerequisite: Philosophy 201, 202. STAFF.

A study of major philosophical problems, such as methods of philosophy and science, problems of knowledge and reality, morality and conduct, and art and beauty.

321. *Philosophy of Science*. Second semester; lectures three hours; three credits. Prerequisite: Philosophy 201, 202 or Physics 101, 102 or Physics 102, 104. MR. MCKNIGHT.

The historical interrelations of science and philosophy. The role of philosophy in the organization of natural science. Implications of recent results in physics for contemporary philosophy. (Same as Physics 321.)

401. *Metaphysics*. First semester; lectures three hours; three credits. Prerequisites: Phil. 201, 202. MR. FOSTER.

Pro-seminar in recent major metaphysical writers.

402. *Medieval Philosophy*. Second semester; lectures three hours; three credits. MR. FOSTER.

Analysis of selected writings of major medieval philosophers such as Scotus Erigena, Anselm, Maimonides, Bonaventura, and Aquinas.

403. *Theory of Knowledge*. Second semester; lectures three hours; three credits. Prerequisites: Phil. 202, 202. MR. MACDONALD.

Pro-seminar in recent major theories of knowledge.

†405. *Advanced Reading in Philosophy*. Any semester; hours to be arranged; credit according to the work done. Prerequisites: Phil. 201, 202. MR. FOSTER, MR. MACDONALD, MISS STUCKY.

An individual course varying to suit the needs and interests of advanced students.

406. *British Empiricism*. First semester; lectures three hours; three credits. Prerequisites: Phil. 201, 202. MR. MACDONALD.

Locke, Berkeley and Hume.

407, 408. *Senior Seminar in Philosophy*. Continuous course; seminar three hours; three credits each semester. STAFF.

Analysis, research, and discussion on selected topics in philosophy such as philosophical analysis, contemporary realism, existential philosophy, and current philosophical issues.

411-415. *The Great Philosophers*. Each course one semester; lectures three hours; three credits. Prerequisites: Phil. 201, 202. MR. FOSTER, MR. MACDONALD, MISS STUCKY.

In general it is the plan of the department to offer one or two of the following courses each year:

- 411. *The Philosophy of Plato.*
- 412. *The Philosophy of Aristotle.*
- 413. *The Philosophy of Spinoza.*
- 414. *The Philosophy of Hume.*
- 415. *The Philosophy of Kant.*

Legal Philosophy. Second semester; lectures three hours; three credits. (See Marshall-Wythe School of Law, page 183.)

HONORS STUDY

495-496. *Honors*. Continuous course; hours to be arranged; three credits each semester. STAFF.

Students admitted to Honors Study in Philosophy will be enrolled in this course during both semesters of their senior year. The course comprises (a) supervised reading in the field of the student's major interest; (b) supervised reading of works selected from a general bibliography in the field of concentration; (c) satisfactory completion of a comprehensive examination covering Logic, History of Philosophy, Ethics or Aesthetics, and Metaphysics or Theory of Knowledge; (d) the preparation and presentation by May 1 of an Honors Essay.

Physical Education for Men

ASSOCIATE PROFESSOR SMITH (*Head of the Department*).
ASSISTANT PROFESSORS JENSEN and BAIRD. INSTRUCTOR,
COSTA¹. LECTURERS AGEE, CHAMBERS, DERRINGE,
GILL, GROVES and NUSC. COLLEGE PHYSICIAN
DEBORD, M.D.

REQUIREMENTS FOR CONCENTRATION

The minimum number of semester hours required for concentration in Physical Education is thirty and must include Physical Education 203, 308, 310, 312, 313, either 316 or 412, 408, 411 and Biology 305. All courses except Physical Education 203 and 208 of the concentration program must be taken during the student's junior and senior years.

Students preparing for recreation work may make certain substitutions for some of the courses listed above. These must be arranged with the head of the Department. For the concentration with specialization in recreation, Sociology 202 is considered as a course in Physical Education.

Those students desiring to meet the professional requirements for certification in the State of Virginia should plan their programs with the head of the Department of Physical Education. Students enrolling in professional courses to meet certification requirements in other states should first consult a member of the faculty of the Department of Education.

PROGRAM FOR ADVANCED STUDY

Students who are qualified for advanced study and who have satisfied admission requirements may register for the Master of Arts Degree with concentration in Physical Education or for the degree of Master of Education with emphasis in Education and Physical Education as a related field. (See pages 93, 94.) A minimum residence period of one regular session or of four summer sessions of nine weeks is required.

¹On leave of absence, 1958-1959.

In addition to the general requirements for admission established by the College, students desiring to enter upon graduate training in Physical Education should present satisfactory undergraduate work in Physical Education or related fields, from a recognized institution.

A minimum of fifteen hours of the total of twenty-four submitted for the Master of Arts Degree must be in the department of concentration. Other courses should be selected from related departments such as Education, Sociology and Biology, or selected from additional courses in Physical Education. For special requirements of the M.Ed. Degree, see pages 95-96.

SPECIAL CONCENTRATION PROGRAM LEADING
TO STATE CERTIFICATION

FRESHMAN YEAR

<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
Biology 101, or Chemistry 101, or Physics 101, 103.....	5	Biology 102, or Chemistry 102, or Physics 102, 104.....	5
English 101.....	3	English 102.....	3
Language.....	3	Language.....	3
Mathematics 101.....	3	Mathematics 102.....	3
Physical Education 101.....	1	Physical Education 102.....	1
Elective.....	2	Elective.....	2
<hr/>		<hr/>	
Total Semester Credits 15 to 17		Total Semester Credits 15 to 17	

SOPHOMORE YEAR

English 201.....	3	English 202.....	3
Economics 201	} Two of Three.....	Economics 202	} Two of Three.....
Government 201		Government 202	
History 101		History 102	
Language.....	3	Language.....	3
Physical Education 203.....	2	Physical Education 208.....	3
Physical Education 201.....	1	Physical Education 202.....	1
Elective.....	2	Elective.....	2
<hr/>		<hr/>	
Total Semester Credits 15 to 17		Total Semester Credits 16 to 18	

JUNIOR YEAR

<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
Biology 305.....	4	Education S302.....	3
Education 301.....	3	Physical Education 308.....	3
Physical Education 313.....	2	Physical Education 310.....	2
Physical Education 321.....	3	Physical Education 312.....	3
Elective.....	5-6	Physical Education 316.....	2
	—	Elective.....	3-5
	—		—
Total Semester Credits	17 to 18	Total Semester Credits	16 to 18

SENIOR YEAR

History 201.....	3	Education 411 or 404.....	3
Physical Education 409.....	2	Physical Education 408.....	3
Physical Education 411.....	3	Physical Education 412.....	2
Physical Education 413.....	2	Physical Education 416.....	3
Physical Education 415.....	3	Elective.....	4-6
Elective.....	3-4		—
	—		—
Total Semester Credits	16 to 17	Total Semester Credits	15 to 17

NOTE: Electives may very well be used to make up a teaching minor. Possible minors are in language, mathematics, science, and social studies.

The above comprehensive program qualifies a person for a number of positions: teaching Physical Education in a consolidated school or a large secondary school; teaching Physical Education and a second subject in a small secondary school; coaching and directing athletics combined with the teaching of another subject or subjects; supervising physical education and recreation programs; summer camp work; and preparation for graduate study in Physical Education or Physical Therapy.

DESCRIPTION OF COURSES

Students concentrating in other departments may elect physical education courses according to interest or to prepare for teaching combinations, recreation work, or other related fields.

101, 102, 201, 202. *Required Physical Education.* Both semesters; three hours or two double periods; one credit each semester. STAFF.

All freshman and sophomore men must register for required Physical Education, and placement in activities will be based on

the results of initial skill tests. Students with physical defects will be registered in a special adapted sports class on the recommendation of the college physician. Instruction is given in the following individual and group activities: advanced swimming and life saving, beginning swimming, badminton, basketball, golf, handball, soccer, softball, speedball, tennis, touch football, track and field, tumbling, volleyball, and wrestling. Each student must attain a satisfactory degree of proficiency in one team or group activity, one individual indoor activity, one individual outdoor activity, and must pass a swimming test. A regulation uniform is required.

203. *Playground and Recreational Activities*. First semester; lectures and laboratory four hours; two credits. MR. GILL.

Theory, practice, teaching methods of games and relays of low organization; team and individual activities for both the elementary and secondary level. School playground management.

208. *First Aid, Safety and Driver Education*. Second semester; lectures and laboratory four hours; three credits. MR. JENSEN.

Advanced Red Cross First Aid, advanced certificate awarded upon successful completion of course; safety projects and problems; selection and organization of materials, methods, and techniques of driver education including behind the wheel instruction.

308. *Applied Anatomy and Kinesiology*. Second semester; lectures three hours; three credits. Prerequisite: Biol. 305. MR. SMITH.

A study of the principles of human motion. Anatomical and mechanical analysis of individual skills in physical education activities.

310. *History and Principles of Physical Education*. Either semester; lectures two hours; two credits. MR. JENSEN.

An orientation course in the history and principles of physical education, health, and recreation.

312. *Methods and Materials in Teaching Physical Education*. Second semester; lectures three hours; three credits. MR. JENSEN.

Application of teaching methods and techniques. Evaluation of test materials and measurement programs; curriculum construction.

313. *Gymnastics and Wrestling*. First semester; lectures and laboratory four hours; two credits. MR. JENSEN and MR. GILL.

Tumbling stunts, heavy apparatus and body conditioning exercises. Pyramid building and exhibition planning. Theory, practice, and coaching of wrestling.

316. *Theory and Coaching of Baseball, Track and Field*. Second semester; lectures and laboratory four hours; two credits. MR. DERRINGE and MR. GROVES.

Study of approved methods in coaching baseball, track and field in all phases.

318. *Sports Officiating*. Either semester; lectures and laboratory four hours; two credits. MR. JENSEN.

Analysis of the rules, officiating techniques and problem solving in officiating team sports. A minimum of twelve contact hours of practical experience in supervised officiating in the intramural program is required.

321. *Methods and Materials in Health Education*. Either semester; lectures three hours; three credits. MR. COSTA.

Teaching methods and materials applicable to health education for various age levels, organization of classes, selection of content and evaluation of outcomes. Survey of State Department publications and other resource material.

408. *Organization and Administration of Health and Physical Education Programs*. Second semester; lectures three hours; three credits. MR. SMITH.

Organizational and administrative policies and procedures for physical education, health, and intramural programs in junior and senior high schools.

409. *Organization and Administration of Community Recreation Programs*. First semester; lectures two hours; two credits. MR. BAIRD.

Administrative policies and procedures; legal aspects; public relations; qualifications and duties of personnel; study of federal, state and local agencies.

411. *Therapeutic Physical Education*. First semester; lectures three hours. Prerequisite: Biol. 305. MR. SMITH and MR. GILL.

Physical examinations with emphasis placed on the recognition of normal and faulty postural conditions at various age levels. Special attention given to remedial exercises and adaptive activities, theory and practice of taping and massage, techniques and modalities in physical therapy and their application to physical education injuries.

412. *Theory and Coaching of Football and Basketball*. Second semester; lectures and laboratory four hours; two credits. MR. BAIRD and MR. CHAMBERS.

Theory, practice, and coaching methods; team problems.

413. *Tennis, Golf, Swimming and Rhythmics*. Either semester; lectures and laboratory four hours; two credits. MR. JENSEN, MISS WARREN.

Theory, practice and coaching techniques. Teaching of fundamental rhythmics; folk and square dancing.

415, 416. *Student Teaching*. Continuous course; five hours; three credits each semester. Prerequisites: senior standing, nine credits in Education; fifteen semester credits in Physical Education. MR. SMITH.

Daily observation and teaching at the laboratory school. Weekly conferences, special assignments and reports.

492. *Physiology of Activity*. Either semester; lectures three hours; three credits. Prerequisite: Biol. 305 or the equivalent. MR. SMITH.

Physiological aspects of exercise, fatigue, coordination, training and growth; functional tests with normal and abnormal subjects; investigations and independent readings.

493. *Philosophy and Literature in Health, Physical Education and Recreation*. Either semester; lectures three hours; three credits. MR. COSTA.





Extensive readings, discussions and evaluations of historical and current philosophies and practices; educational implications of problems facing the separate fields.

502. *Problems and Research in Health, Physical Education and Recreation.* Either semester; lectures three hours; three credits. Prerequisite: Education 501 or the equivalent. MR. SMITH.

The application of various methods and statistical techniques as most commonly used in physical education research. Limited research studies and problems are conducted in the three areas.

503. *Seminar in Advanced Techniques in Sports.* Either semester; lectures three hours; three credits. MR. BAIRD.

Consideration given to the designing of plays, types of strategy, and instruction and handling of players.

506. *Administration and Supervision in Physical Education, Health and Recreation.* Either semester; lectures three hours; three credits. MR. COSTA.

Problems of administration and supervision in the three areas, modification of programs to fit the facilities available, curriculum planning, grading procedures and techniques of instruction.

508. *Health Coordination.* Either semester; lectures three hours; three credits. MR. SMITH.

Factors of school and community activities related to health. Relationships of the service, instructional, protective, and guidance phases in the health program.

MEDICAL ATTENTION

The College will not be responsible for doctors' bills for medical attention of any kind for students who are injured in athletics or Physical Education classes, except such attention as is furnished by the College physician and resident nurses. (See page 69.)

Physical Education for Women

ASSOCIATE PROFESSORS REEDER (*Head of the Department*) and
BARKSDALE. INSTRUCTORS MATZ, STOERKER and WARREN.
COLLEGE PHYSICIAN DEBORD, M.D.

All freshmen and sophomores must register for Physical Education. Proficiency must be established in team sports, individual sports, swimming, and dance. Placement in activities is based upon a medical examination. A regulation uniform is required.

DESCRIPTION OF COURSES

101. *Team Sports*. Both semesters; three hours or two double periods; one credit. MISS BARKSDALE, MISS MATZ, MISS REEDER, MISS STOERKER.

Seasonal activities; hockey, basketball, volleyball, and lacrosse.

102. *Dance*. Both semesters; three hours or two double periods; one credit. MISS STOERKER, MISS WARREN.

Fundamentals of dance; modern, folk, and ballroom dancing.

†145, 146. *Adapted Activities*. First and second semesters; three hours or two double periods; one credit each semester. STAFF.

Upon recommendation of the College physician these courses may be substituted for required courses.

†195, 196. *Selected Sports and Dance Activities*. First and second semesters; three hours or two double periods; one credit. MISS REEDER.

Upon recommendation of the head of the Department, these courses (designed for proficient students) may be submitted for required courses.

201. *Swimming*. Both semesters; three hours; one credit. MISS MATZ, MISS STOERKER.

Safety skills, standard swimming strokes, diving, life saving techniques.

202. *Individual Sports*. Both semesters; three hours or two double periods; one credit. MISS BARKSDALE, MISS MATZ, MISS REEDER, MISS STOERKER.

Seasonal activities: archery, tennis, fencing, badminton, bowling and golf.

ELECTIVE COURSES IN PHYSICAL EDUCATION FOR WOMEN

The following courses are intended to supplement the four semesters of required physical education and may be elected for academic credit. These courses are open to juniors and seniors, and may be elected concurrently with a required class by sophomores. Freshmen may elect these courses in addition to required work with permission of the head of the Department.

302. *Waterfront Leadership*. Second semester; lectures and laboratory, four hours; two credits. Prerequisite: Senior Life Saving (students should be at least nineteen years of age). MISS MATZ.

Especially designed for students who wish to do camp and playground work and includes Instructor's course of the American Red Cross.

303, 304. *Coaching and Officiating of Selected Sports*. Both semesters; lectures and laboratory four hours; two credits each semester. Prerequisite: Proficiency in two of the following sports: hockey, basketball, tennis, swimming, softball. MISS BARKSDALE, MISS REEDER.

Theory and practice in the coaching and officiating of two seasonal sports each semester. Women's National Officials Rating Tests will be given.

305, 306. *Dance Composition*. Continuous course; lectures and laboratory, four hours; two credits each semester. Prerequisite: Physical Education 102. MISS WARREN.

An introductory course in the principles of dance composition, including studies of pre-classic and more modern dance forms.

WOMEN'S SPORTS

Recreational activities are conducted under the auspices of the Women's Athletic Association Committee. (See page 57.)

MEDICAL ATTENTION

The College will not be responsible for doctors' bills for medical attention of any kind for students who are injured in athletics or Physical Education classes, except such attention as is furnished by the College physician and resident nurses. (See page 69.)

Physics

PROFESSOR PITTMAN (*Head of the Department*). ASSOCIATE PROFESSORS CROWNFIELD AND McKNIGHT. ASSISTANT PROFESSORS KERNELL and LONG.

REQUIREMENTS FOR CONCENTRATION

Students desiring to concentrate in Physics should enroll in the Pre-Engineering Program. The minimum number of semester hours required for concentration in Physics is thirty-seven and must include Physics 101-102, 207-208, 303-304, 403, and six semester hours selected from Physics 405, 406, 407. It is recommended that the qualified student begin calculus in the freshman year.

DESCRIPTION OF COURSES

101, 102. *General Physics*. Continuous course; lectures four hours, laboratory two and one-half hours; five credits each semester. MR. PITTMAN and STAFF.

Mechanics, heat, and sound first semester. Electricity, light and modern Physics second semester. Required of all students concentrating in Physics, all pre-medical students, and all students preparing for engineering.

103, 104. *Elementary Physics*. Continuous course; lectures four hours, laboratory two and one-half hours; five credits each semester. MR. McKNIGHT and STAFF.

A beginning course in College Physics satisfying the distribution requirements in the fields of science. Designed for the non-science concentrator. Mechanics, heat and sound first semester; electricity, light and atomic physics second semester. Attention is given to the historical development and philosophical significance of physical concepts and theories. Applications to elementary problems. The role of physics in the modern world.

106. *Descriptive Astronomy*. Second semester; lectures three hours; three credits. STAFF.

Descriptive study of the solar system; theories of origin of the solar system. Star classification; descriptive studies of star clusters and galaxies. Recommended for science teachers. An elective course with no credit for concentration in physics.

202. *Heat and Thermodynamics*. Second semester; lectures three hours; three credits. Prerequisite: one year of calculus and one year of physics. STAFF. (Offered in alternate years.)

Elementary theory of heat and thermodynamics. Applications of thermodynamics to ideal and actual systems.

207. *Geometrical and Physical Optics*. First semester; lectures three hours, laboratory three hours; four credits. Prerequisite: two semesters of physics and enrollment in calculus. MR. PITTMAN.

Geometrical optics; theory and use of the prism spectrometer; diffraction phenomena, interferometry; polarization phenomena; application of the theory of physical optics; experiments in photography and spectroscopy.

208. *Mechanics*. Second semester; lectures three hours, laboratory three hours; four credits. Prerequisite: two semesters of physics, one semester of calculus, and enrollment in second semester calculus. MR. KERNELL.

Theoretical applications of the laws of mechanics; numerous problems in mechanics. Laboratory measurements in mechanics.

211. *Electronics*. First semester; lectures three hours weekly, laboratory three hours; four credits. Prerequisite: two semesters of physics and enrollment in calculus. MR. LONG. (Offered in alternate years.)

Electronics; characteristics of modern vacuum and gas-filled thermionic tubes and their application in circuits of importance to scientific work and instrumentation.

303. *Electricity and Magnetism*. First semester; lectures, three hours, laboratory three hours; four credits. Prerequisite:

three semesters of physics and two semester of calculus. MR. LONG.

Development of the theory of electricity and magnetism from fundamental principles. Introduction to electro-magnetic theory. Laboratory experiments in electrical measurements.

304. *Alternating Current Circuits*. Second semester; lectures three hours, laboratory three hours; four credits. Prerequisite: Electricity and Magnetism. MR. LONG.

Theory of alternating current circuits and applications. Laboratory experiments in electrical measurements.

307, 308. *Engineering Mechanics*. Continuous course; lectures three hours; three credits each semester. Prerequisite: two years of physics and the calculus. MR. SMITH.

First semester: the elementary theory of forces in equilibrium; analysis of trusses and cables; friction; graphic methods of solution of problems in statics. Second semester: Kinematics and dynamics; problems of translation, rotation and motion in three dimensions, vibrations, analytic and graphic methods of solution of problems in dynamics.

309. *Atomic Physics*. First semester; lectures three hours, laboratory three hours; four credits. Prerequisite: calculus and two semesters of general physics. MR. CROWNFIELD.

Atomic physics; modern ideas of electrons and radiation; moving charges and electromagnetic waves; elementary theory of spectra; wave and particle aspect of particles and quanta; selected laboratory experiments with atoms, electrons, ions, and atomic spectra.

310. *Nuclear Physics*. Second semester; lectures three hours, laboratory three hours; four credits. Prerequisite: calculus and two semesters of general physics. Physics 309 will be useful but is not required. MR. CROWNFIELD.

Nuclear physics; introduction to the properties and interactions of nuclear particles; natural and artificial radioactivity;

neutron physics and nuclear reactors. Laboratory experiments with radioactivity and interaction of radiations with matter.

321. *Philosophy of Science*. Second semester; lectures three hours; three credits. Prerequisite: Philosophy 201, 202 or Physics 101, 102 or Physics 103, 104. MR. McKNIGHT.

The historical interrelations of science and philosophy. The role of philosophy in the organization of natural science. Implications of recent results in physics for contemporary philosophy. (Same as Philosophy 321.)

405. *Introduction to Theoretical Physics, I*. First semester; lectures three hours; three credits. MR. CROWNFIELD.

Advanced dynamics; motion of particles and of rigid bodies; vibrations in one, two and three dimensions. Vector calculus methods.

406. *Introduction to Theoretical Physics, II*. Second semester; lectures three hours; three credits. MR. CROWNFIELD.

Field physics: Hydrodynamics; introduction to electrodynamics; introduction to quantum mechanics.

407. *Modern Physics*. First semester; lectures three hours; three credits. MR. McKNIGHT. (Offered in alternate years.)

A study of topics from the following: concepts and experiments in X-rays, radiation, fundamental particles, solid state physics, relativity and quantum theory.

410. *Problems in Physics*. Any semester; hours to be arranged; credits according to the work accomplished. STAFF.

A course for the advanced student affording an opportunity for individual work.

MASTER OF ARTS DEGREE IN PHYSICS ADMISSION AND REQUIREMENTS

The candidate for the degree of Master of Arts in Physics must meet the following requirements in addition to the general requirements stated on pages 93-94 of this catalogue:

1. After consultation with the Physics Department, the student may be required to take undergraduate courses in which his preparation is deemed inadequate.

2. The student must demonstrate a reading knowledge of French, German or Russian, in the subject matter of Physics.

3. The student is required to register for Physics 505, *Seminar*, during a minimum of one semester of residence.

4. The thesis topic must be chosen and work begun in consultation with the Physics Department staff. Work completed while working elsewhere (e.g. NASA Langley Research Center or Oak Ridge National Laboratory) may be used as a thesis provided the above requirement is met.

GRADUATE COURSES

501. *Classical Mechanics*. First semester; lectures three hours; three credits. Prerequisite: Introduction to Theoretical Physics. STAFF.

Lagrangian and Hamiltonian Mechanics; Central Force Motion; Relativistic Mechanics; Oscillatory Motion.

502. *Classical Electricity and Magnetism*. Second semester; lectures three hours; three credits. Prerequisite: Introduction to Theoretical Physics. STAFF.

Electromagnetic Field Theory; Boundary Value Problems; Maxwell's Equations; Electrodynamics.

503. *Quantum Mechanics*. First semester; lectures three hours; three credits. STAFF.

Development of quantum theory from its fundamentals. Eigenfunctions and eigenvalue equations. Applications to atomic physics.

504. *Advanced Nuclear Physics*. Second semester; lectures three hours; three credits. Prerequisite: Introductory Nuclear Physics and Quantum Mechanics. STAFF. (Offered in alternate years.)

Experimental and theoretical nuclear physics; properties of nuclei, nuclear reactions, and nuclear forces.

505. *Seminar*. All semesters; hours to be arranged; one credit; required of Master's degree candidates in Physics; may be repeated up to a maximum of three credits. STAFF.

This course provides the opportunity for the student to become acquainted with current developments in Physics. It is planned to have occasional lectures by invited speakers on current topics.

506. *Solid State*. Second semester; lectures three hours; three credits. Prerequisite: Quantum Mechanics. STAFF. (Offered in alternate years.)

Crystal lattices; energy levels of solids; mechanical, dielectric and magnetic properties of crystals; superconductivity; semiconductors.

507. *Mathematical Physics*. First semester; lectures three hours; three credits. Prerequisite: permission of the instructor. STAFF.

This course is designed to acquaint the student with some phases of mathematical physics. The emphasis is on applications and techniques (with due regard for fundamentals).

508. *Mathematical Physics*. Second semester; lectures three hours; three credits. Prerequisite: permission of the instructor. STAFF.

This course is designed to acquaint the student with some phases of Mathematical Physics. The work is intended to be independent of that in Physics 507 and either course may be taken independently of the other. Topics in these courses may include complex variables, integral transforms, numerical methods and computing machines, group theory, statistical methods, non-linear differential equations, Green's function methods, etc.

550. *Research*. Any semester; hours and credits to be arranged. STAFF.

This course provides the opportunity for the student to investigate a topic for credit which may or may not be later the subject of his thesis. It provides an opportunity for broadening the student's background by allowing him to do some theoretical research while doing experimental work for his thesis and vice-versa.

560. *Thesis*. Hours to be arranged. STAFF.

Psychology

PROFESSOR WILLIAMS (*Head of the Department*). ASSOCIATE PROFESSOR LAMBERT. ASSISTANT PROFESSORS GUTHRIE and HARCUM. INSTRUCTOR HAYWARD. ASSISTANT INSTRUCTOR CAMM. LECTURERS BARRETT and HAMMACK.

REQUIREMENTS FOR CONCENTRATION

Degree of Bachelor of Arts: 201, 331, 403, 420, two advanced laboratory courses selected from 402, 407, 408; and twelve additional hours in psychology six of which may, with approval, be selected from certain advanced courses in allied fields.

Degree of Bachelor of Science: 201, 331, 403, 404, 406, 407, 408, 420; and six additional hours selected from psychology or, with approval, from certain courses in allied fields above the introductory level.

INTRODUCTORY COURSES

Psychology 201 and 331 may be taken concurrently but it is recommended that they be taken in sequence. Psychology 201 is prerequisite to all advanced courses in psychology.

150. *Psychology of Personal Adjustment*. Second semester; lectures two hours; two credits. MR. WILLIAMS.

A course in applied psychology intended solely for freshmen and sophomores. It presents scientific information about studying efficiently, choosing a vocation, self-control, attaining maturity, and other problems of adjustment common among college students. It may not be counted as part of the concentration program in psychology nor taken with or after Psychology 201.

201. *Principles of Psychology*. Both semesters; lectures two hours, discussion two hours; three credits. STAFF.

A survey of the basic principles of modern psychology. The main functions of human behavior are intensively studied and

illustrated by reading, discussion, and classroom experiments. These functions are: simple responses to stimuli, association, conditioning, discrimination, learning, understanding, reasoning, emotion, perception and organization of personality. This course is basic to a scientific understanding of people. It is a prerequisite to all 300 and 400 courses in psychology.

NON-LABORATORY COURSES

Psychology 201 is the only prerequisite to the following courses:

301. *Child Psychology*. Both semesters; lectures three hours; three credits. MR. LAMBERT.

The development of the child from birth to adolescence. Theory and practice of child rearing in the light of experimental data.

303. *Industrial Psychology*. Second semester; lectures three hours; three credits. MR. WILLIAMS.

Psychology applied to industrial and military organizations. Types and uses of psychological tests in selecting and classifying personnel; methods of efficient work; the design of machines for human use; industrial training.

304. *Social Psychology*. Second semester; lectures three hours; three credits. MR. WILLIAMS.

A review of the facts and theories regarding the development of the social behavior of the individual.

403. *Systematic Psychology*. First semester; lectures three hours; three credits. MR. WILLIAMS.

A survey of contemporary thought in psychology and its historical antecedents. The rise and present status of the chief schools of the twentieth century: psychoanalysis, functionalism, behaviorism, structuralism, and gestalt psychology.

404. *Physiological Psychology*. First semester; lectures three hours; three credits. MR. HARCUM.

An examination of the relationships between physiological processes and behavior, with major emphasis on sensation and motivation.

405. *Abnormal Psychology*. First semester; lectures three hours; three credits. MR. WILLIAMS.

A description of the development and characteristics of behavior disorders. In about one-half of the weeks during the semester, clinic demonstrations will be held at Eastern State Hospital.

406. *Perception*. Second semester; lectures three hours; three credits. MR. HARCUM.

The reception, perception and discrimination of stimuli.

412. *Educational Psychology*. Second semester; lectures three hours; three credits. MR. HARCUM.

The application of psychological principles to classroom teaching. Topics include: learning and transfer, child development, methods of measuring individual differences and achievement and the adjustment of the teacher.

†420. *Seminar in Psychology*. Each semester; hours to be arranged; one credit. STAFF.

Seniors are required to take the seminar for one semester. Each student will prepare at least one oral report.

†421. *Problems in Psychology*. Both semesters; hours to be arranged; credit according to work undertaken. STAFF.

This course is intended solely for the occasional advanced student who is capable of undertaking individual research. The project may consist of bibliographic or experimental research.

LABORATORY COURSES

Both Psychology 201 and 331 are prerequisite to 402, 407, 408.

331. *Psychological Methods*. Both semesters; lectures two hours, laboratory three hours; three credits. MR. GUTHRIE, MR. HARCUM.

An introduction to the logic and procedures of science, including statistical methods, treatment of data, and theory construction.

*402. *Psychological Tests*. Second semester; lectures three hours, laboratory two hours; four credits. MR. WILLIAMS.

Theory and history of the major tests of personality and intelligence, with emphasis on the Wechsler-Bellevue tests.

407. *Fundamentals of Behavior*. Second semester; lectures three hours, laboratory three hours; four credits. MR. GUTHRIE.

A study of the elementary processes of motivation, conditioning and learning. Animal subjects are employed.

408. *Human Learning and Reasoning*. First semester; lectures three hours, laboratory three hours; four credits. MR. GUTHRIE.

The acquisition and retention of human verbal and motor behavior, including transfer of learning and problem solving.

HONORS STUDY

495-496. *Honors*. Continuous course; hours to be arranged; three credits each semester. STAFF.

Students admitted to Honors Study in Psychology will be enrolled in this course during both semesters of their senior year. The course comprises (a) supervised reading in the field of the student's major interest, primarily in the original literature; (b) the preparation and presentation by May 1 of an Honors Essay based on the student's own research; and (c) satisfactory completion of a comprehensive examination in the field of the student's major interest.

GRADUATE COURSES

Graduate courses are open only to graduate students in the Department of Psychology.

†501-502. *Proseminar in General Psychology*. Continuous course; three credits each semester. COLLEGE STAFF.

An intensive reading course, based on a prepared syllabus, including handbooks and advanced texts as well as selected original literature. Topics are the functional divisions of behavior: conditioning, learning, remembering, problem solving, perceiving, and motivation and emotion. Seminar discussions emphasize methods and history as well as current knowledge. A comprehensive examination is required.

†503-504. *Seminar in the Fields of Psychology*. Continuous course; three credits each semester. COLLEGE STAFF.

A survey of the original literature in the fields of professional applied psychology, with emphasis on social, child, clinical, educational and personnel psychology and human engineering. A comprehensive examination is required.

†510-513. *Practicum in Advanced Abnormal Psychology*. Credit to be arranged. STAFF OF THE EASTERN STATE HOSPITAL.

This is a series of courses built around a common core of practical experience in the graduate work-study program. 510 is Interviewing; 511, Introduction to Projective Techniques; 512, Rorschach Interpretation; and 513, Problems in Diagnosis and Testing. Credit is usually two hours per course.

†521. *Research Problems in Psychology*. Credit to be arranged. STAFF.

Course may be repeated, up to a maximum of eight hours' credit. Research may be carried out either at the College or at the Eastern State Hospital.

†560. *Thesis*. Hours to be arranged. STAFF.

Secretarial Science

ASSISTANT PROFESSOR LOTT.

The following courses in Shorthand and Typewriting are open to sophomore, junior and senior students in the College as elective courses, regardless of their field of concentration. It is strongly recommended that students who plan to work as secretaries begin this course in their junior year or earlier. College credit is given for the courses as indicated. These courses may be taken as part of a student's regular schedule. The course in Personal Typewriting is open to any student and is taken without credit.

SHORTHAND AND TYPEWRITING

301, 302. *Fundamentals of Shorthand and Typewriting*. Continuous course; Shorthand three hours, Typewriting three hours;¹ three credits each semester. Miss LOTT.

Fundamentals of Gregg Shorthand Simplified and the touch system of typewriting. Taking shorthand from dictation and transcribing notes stressed in second semester. Course designed for juniors who plan to continue in 401, 402.

401. *Advanced Shorthand and Secretarial Practices*. Lecture three hours, laboratory three hours; three credits. Prerequisites: Sec. Sci. 301, 302, or consent of instructor. Miss LOTT.

Advanced shorthand and typing with emphasis on developing speed and accuracy in taking dictation and transcribing notes; office machines.

402. *Secretarial Practice*. Lecture three hours, laboratory three hours; three credits. Prerequisites: Sec. Sci. 401 or consent of instructor. Miss LOTT.

Training for a professional secretarial career. Correct application of basic skills; use of reference materials; study of duties and personal requirements for responsible secretaries.

¹Students who are proficient in typewriting will be excused from taking typewriting during the first semester.

PERSONAL TYPEWRITING

101. *Personal Typewriting.* Both semesters; two hours a week; no credit. Miss LOTT.

This course is designed to give training in the fundamentals of touch typewriting with special emphasis on typing term papers, outlines and business letters.

Sociology and Anthropology

PROFESSOR KERNODLE (*Head of the Department*). ASSISTANT
PROFESSORS REISS and RHYNE. ACTING
INSTRUCTOR WILLISON.¹

REQUIREMENTS FOR CONCENTRATION

Concentration in Sociology and Anthropology must include the following courses: 201, 202, 313, 331, and 411, 412 or 495, 496.

DESCRIPTION OF COURSES

201, 202.² *General Sociology*. Continuous course; lectures three hours; three credits each semester. STAFF.

An introduction to the study of human society. The basic concepts of society, culture, and personality and their relationships to one another are developed in the first semester. In the second semester these concepts are used to examine and analyze the major social institutions in human society. Political, economic, religious, and familial institutions are studied as well as additional concepts of social class, caste, and social change.

302. *Criminology and Penology*. Second semester; lectures three hours; three credits. MR. REISS.

A study of the problems of crime, criminals, and criminal justice. An exhaustive study of theories of causation and punishment. The function, success and failure of our prison system, as well as programs of prevention, considered.

303. *Social Problems*. Lectures three hours; three credits; offered each semester. MR. REISS, MR. RHYNE.

An objective study of the basic areas in human society which involve value conflict, social disorganization, and personal varia-

¹Second semester, 1959-1959.

²Freshmen may elect this course provided they have two units of secondary school preparation in social science courses, including a minimum of one unit of World History and/or European History, or have satisfactory achievement on the Advanced Placement Tests, or with the approval of the head of the department.

tion or deviancy. Attention is given to specific problems arising out of our type of social structure and which are not covered by other special courses. Focus on mental illness, religious conflicts in modern society, drug and alcohol addiction, and other areas of social concern.

304. *Social Structure*. Second semester; lectures three hours; three credits. MR. RHYNE.

A study of the principal structural units of society. Central focus is on the concepts of hierarchy, stratification, class and caste, and the economic, prestige and power orders. Comparative perspectives, historical and cross-cultural, are developed. Close examination of the American class system.

305. *Industrial Sociology*. First semester; lectures three hours; three credits. MR. RHYNE.

A study of the social organization of the industrial unit and of the place of the worker in modern society. Considers the formal and informal social structure of the industrial unit and the daily social processes within these structures. Includes a survey of the research and experimental materials concerning social determinants of morale and status as well as the role of the worker.

306. *Racial and Cultural Minorities*. Second semester; lectures three hours; three credits. STAFF.

Distinctions of race, religion, and national origin in contemporary society. The "racial" or "minority group" frame-of-reference in relation to economic and social class organization, political alignments, regional traditions, and psychological tensions. Trends of change. Included is a comparative study of minority problems and race issues in the modern world.

308. *Marriage and the Family*. Both semesters; lectures three hours; three credits. MR. KERNODLE, MR. REISS.

A social-psychological approach to dating, courtship, marriage and family relationships. The aim of the course is to provide a mature understanding of the social relationships in courtship, marriage, and family living.

309. *Population Problems*. First semester; lectures three hours; three credits. STAFF.

A consideration of the manner in which populations grow and decline and the effects of such change on society. Emphasis is on theories of population growth, distribution, births, deaths, internal and international migration, bio-social and sociological composition, and population quality. Included are discussions of the sources of data and techniques and methods of analysis.

313. *Sociological Theory*. First semester; lectures three hours; three credits. MR. KERNODLE.

This course aims to present the major sociological theories and hypotheses which are current with some historical perspective which bears directly upon recent trends in social theory. The sources of social concepts in tradition and changing experience; their formal application in framing and executing scientific research are studied. The taken-for-granted versus rational analysis, and values in relation to objectivity constitute the approach. Emphasis on current thought. This course is designed for both sociology majors and other students interested in contemporary social thought in this orientation.

315. *General Anthropology*. First semester; lectures three hours; three credits. STAFF.

Traces and origins and development of *Homo sapiens* and his culture through the study of man's place in nature; fossil man; race, prehistory, and descriptions of the cultures of several contemporary primitive societies.

316. *Cultural Anthropology*. Second semester; lectures three hours; three credits. MR. REISS.

A survey of cultural patterns as they function in the organization of diverse human groups, especially "primitive" tribes, around the world. Divergent types of patterning for individual outlook and experience. Contrasting forms of social structure. Principles of culture useful in analyzing any social system, including our own, and other modern systems.

331. *Statistical Methods in Sociology*. Second semester; lectures three hours; laboratory two hours; three credits. MR. RHYNE.

The applications and limitations of statistics are presented as means of providing tools whereby statistical methods may be recognized, interpreted, and applied in sociological research. Included are considerations of averages, measures of dispersion and variance, simple linear correlation, and sampling theory.

403. *The Human Community*. First semester; lectures three hours; three credits. STAFF.

The study of rural and urban communities with special reference to the complexities of their structure and patterns of change. Emphasis is placed on similarities and general principles of communities as social groups, the influence of size on communities, spatial organization, and special problems of urban life.

405. *Social Movements*. First semester; lectures three hours; three credits. MR. RHYNE.

A study of the social and cultural characteristics of contemporary social movements such as liberalism, democracy, socialism, communism, fascism. A critical evaluation is made of the philosophies, social foundations, and organizations of important movements. Emphasis on the interplay of these three factors.

411, 412. *Social Research*. Continuous courses; lectures three hours; three credits each semester. Prerequisites: Soc. 201, 331. STAFF.

415. *Special Problems in Sociology*. For sociology majors only and upon consent of the head of the Department.

428. *Personality in Culture*. Second semester; lectures three hours; three credits. MR. KERNODLE.

This course studies the interaction between the individual and culture. The focus is on these aspects of social behavior found when men interact with one another in manifest social

relationships. Communication; Socialization; learning, perception, cultural control of behavior and emotion; Individual and the Group; National Character; Leadership, Attitudes and Opinions; Mass Behavior.

HONORS STUDY

495-496. *Honors*. Continuous course; hours to be arranged; three credits each semester. STAFF.

Students admitted to Honors Study in Sociology and Anthropology will be enrolled in this course during both semesters of their senior year. The course comprises (a) an exploration of the area of the logic of research along with selected readings in the student's special area of interest; (b) the preparation and presentation by May 1 of an Honors Essay or Project in his special area of interest; and (c) satisfactory performance in a comprehensive oral examination in the field of the student's major interest.

SOCIAL WORK

The College maintains in Richmond a graduate school for the training of social workers leading to the professional degree of Master of Science in Social Work. For further information write to the Director of Social Work, 901 W. Franklin Street, Richmond, Virginia.

Speech

ASSOCIATE PROFESSOR SCAMMON. ASSISTANT
PROFESSORS MCCONKEY AND WOODLIFF.

101. *Public Speaking*. Both semesters; lectures three hours; three credits. MR. MCCONKEY.

Understanding and application of the principles of public speaking. Analysis of speeches based on organization, content, and delivery.

102. *Voice and Diction*. Both semesters; lectures three hours; three credits. MR. SCAMMON.

To develop a pleasing and effective voice. Training in articulation, enunciation, pronunciation, quality, time, and pitch. Phonetics.

103. *Oral Reading*. First semester, lectures three hours; three credits. MR. SCAMMON.

To recreate, by reading aloud, the original intention of the author.

201, 202. *Introduction to Radio and Television*. Continuous course; lectures three hours; three credits each semester. MR. WOODLIFF.

The first semester is an examination and evaluation of radio and television as factors in society. History and organization of the broadcasting industry, government regulation, and audience measurement, with consideration of the role of radio and television in education. The second semester deals with analysis of program types, problems of preparation and presentation with laboratory work in the campus radio and television studios.

204. *Advanced Oral Reading*. Second semester; lectures three hours; three credits. Prerequisite: Speech 103. MR. SCAMMON.

A continuation of Speech 103 with emphasis on advanced and difficult forms of literature.

207. *Speech Composition and Briefing*. First semester; lectures three hours; three credits. MR. McCONKEY.

Study of the special techniques of speech construction as applied to advanced forms of public address, emphasizing structure, arrangement, and style. Special attention given to the application of the principles to persuasion and to argumentation. (Alternates with Speech 209. Not offered in 1959-1960.)

209. *Argumentation and Debate*. First semester; lectures three hours; three credits. MR. McCONKEY.

Training in the techniques and practices of argumentative speaking, study and analysis of debate propositions, preparation of the brief, research and selection of evidence, and practice in rebuttal and refutation. Lectures and class debating. (Alternates with Speech 207.)

210. *Principles of Group Discussion*. Second semester; lectures three hours; three credits. MR. McCONKEY.

Study of the logical and psychological foundations of discussion as a method of dealing with public questions, considering problems of adjustment, communication and collaborative action in small face-to-face groups. Emphasis on principles, types and methods of discussion. Lectures and practice participation,

PRE-PROFESSIONAL PROGRAMS

Dentistry, Engineering, Forestry, Medical Technology, Medicine, Nursing, Public Health Service, and Veterinary Medicine

Pre-professional programs for Dentistry, Engineering, Forestry, Medical Technology, Medicine, Nursing, Public Health Service, and Veterinary Medicine are offered at William and Mary within a liberal arts framework. Most of these programs lead to a liberal arts degree at the College; some provide entry to a professional school after two or three years, and for certain of these programs there are provisions for an eventual degree from William and Mary.

Pre-Medical Course

For the country at large about eighty-five per cent of the medical school graduates now earn their baccalaureate degrees; some of these students spend only three years in the liberal arts college and receive the college degree after completing the first year in medical school or, as in the case of William and Mary, upon the completion of the medical course. Certain schools now have combined liberal arts-medical programs wherein the students spend only two years in the liberal arts college.

The pre-medical advisers at William and Mary encourage students to complete four years before going to medical school, for a liberal arts program reaches its full meaning in the final years; to terminate such a program after three years is to lose its unique significance. Future success in medical school and in medical practice depends in great measure on the competence and attitudes developed during the liberal arts program.

Several pre-medical programs are given below for the guidance of the student. Each program satisfies the basic admission requirements of American medical schools. The individual student may, in consultation with a pre-medical adviser, wish to work out his own program, and he may concentrate in any field that he desires provided he includes in his curriculum the courses requisite for admission to most medical schools. Degree requirements at William and Mary must, of course, be likewise satisfied.

The three-year student who follows the program exactly as outlined on page 257 and who has a minimum quality point average of 1 is eligible upon graduation from an accredited medical school for a degree of Bachelor of Science from William and Mary.

PREPARATION FOR MEDICINE, DENTISTRY, AND
PUBLIC HEALTH SERVICE

Program I¹

<i>First Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Second Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>
Eng. 101, 102.....	3	3	Eng. 201, 202 or Fine Arts		
Chem. 101, 102.....	5	5	201, 202.....	3	3
Biol. 101, 102.....	5	5	German or French ²	3	3
Math. 101, 102.....	3	3	Physics 101, 102.....	5	5
Phys. Ed. 101, 102.....	1	1	Chem. 301, 302.....	4	4
			Phys. Ed. 201, 202.....	1	1
Total Semester Credits	17	17	Total Semester Credits	16	16

¹Concentration: Chemistry. Degree: B.S.

²It is recommended that French or German be taken. If German is taken, Scientific German (Ger. 204) should be included and at least a year of the other language or a year of Greek or Latin.

PREPARATION FOR MEDICINE, DENTISTRY, AND
PUBLIC HEALTH SERVICE—Continued

Program I¹—Continued

<i>Third Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Fourth Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>
Chem. 201, 202.....	4	4	Hist. 101, 102 or		
German or French ²	3	3	Econ. 201, 202 or }.....	3	3
Biol. 201, 202.....	4	4	Govt. 201, 202 }		
Hist. 101, 102 or			Advanced Chem.....	2	2
Econ. 201, 202 or }... 3	3	3	Electives.....	7	7
Govt. 201, 202 }					
Elective.....	3	3			
Total Semester Credits 17			Total Semester Credits 12		

Program II³

<i>First Year</i>		<i>Second Year</i>	
Eng. 101, 102.....	3	Engl. 201, 202 or Fine Arts	
Math. 101, 102.....	3	201, 202.....	3
Biol. 101, 102.....	5	Chem. 301, 302.....	4
Chem. 101, 102.....	5	Biol. 201, 202.....	4
Phys. Ed. 101, 102.....	1	Foreign Language ²	3
		Phys. Ed. 201, 202.....	1
Total Semester Credits 17		Total Semester Credits 15	

<i>Third Year</i>		<i>Fourth Year</i>	
Foreign Language ²	3	Hist. 101, 102 or	
Hist. 101, 102 or		Govt. 201, 202 or }.....	3
Econ. 201, 202 or }... 3	3	Econ. 201, 202 }	
Govt. 201, 202 }		Advanced Biol.....	4
Physics 101, 102.....	5	Electives.....	8
Advanced Biol.....	4		
Electives.....	—		
	4		
Total Semester Credits 15		Total Semester Credits 15	

¹Concentration: Chemistry. Degree: B.S.

²It is recommended that French or German be taken. If German is taken, Scientific German (Ger. 204) should be included and at least a year of the other language or a year of Greek or Latin.

³Concentration: Biology. Degree: B.S.

PREPARATION FOR MEDICINE, DENTISTRY, AND
PUBLIC HEALTH SERVICE—Continued

Program III¹

<i>First Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Second Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>
Eng. 101, 102.....	3	3	Eng. 201, 202 or Fine Arts 201, 202.....	3	3
Foreign Language ²	3	3	Foreign Language ²	3	3
Biol. 101, 102.....	5	5	Hist. 101, 102 or Econ. 201, 202 or Govt. 201, 202 }.....	3	3
Hist. 101, 102.....	3	3	Chem. 101, 102.....	5	5
Phys. Ed. 101, 102.....	1	1	Math 101, 102.....	3	3
Total Semester Credits	15	15	Phys. Ed. 201, 202.....	1	1
			Total Semester Credits	18	18
 <i>Third Year</i>			 <i>Fourth Year</i>		
Chem. 201, 202.....	4	4	Biol. 201, 202.....	4	4
Physics 101, 102.....	5	5	Psych. 201.....	4	—
Phil. 201, 202.....	3	3	Chem. 301, 302.....	4	4
Electives.....	4	4	Topical Major Seminar...	—	3
Total Semester Credits	16	16	Electives.....	4	4
			Total Semester Credits	16	15

Program IV:³ Four- or Three-Year Program

The four-year program here presented meets the requirements of all medical schools and the preferences of many of them. Certain medical schools will accept a student who has completed the first three years of this program.

¹Concentration: Topical Major in Pre-Medicine. Degree: B.S. No more than five students may be admitted each year to this topical major. A quality point average of at least 2 is a necessary condition for admission.

²It is recommended that French or German be taken. If German is taken, Scientific German (Ger. 204) should be included and at least a year of the other language or a year of Greek or Latin.

³Concentration: Chemistry. Degree: B.S.

Pre-Medical Course

257

<i>First Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>	<i>Second Year</i>	<i>1st Sem.</i>	<i>2nd Sem.</i>
Eng. 101, 102	3	3	Eng. 201, 202 or Fine Arts		
Chem. 101, 102	5	5	201, 202	3	3
Biol. 101, 102	5	5	Chem. 201, 202	4	4
Math. 101, 102	3	3	Physics 101, 102	5	5
Phys. Ed. 101, 102	1	1	German or French	3	3
			Phys. Ed. 201, 202	1	1
Total Semester Credits			Total Semester Credits		
	17	17		16	16

<i>Third Year</i>			<i>Fourth Year</i>		
Hist. 101, 102 or	}	3	Hist. 101, 102 or	}	3
Econ. 201, 202 or			Econ. 201, 202 or		
Govt. 201, 202			Govt. 201, 202		
Chem. 301, 302		4	Chem. 401, 402		4
Biol. ¹ 201, 202		4	Advanced Biol. or		
German or French		3	Physics	3 or 4	4
Math. ² 201, 202		3	French, German, Greek or		
			Latin ³	3	3
Total Semester Credits			Electives, if needed, to make a grand total of 124 sem. credits for all courses		
	17	17			

¹Public Health students should substitute Bacteriology (Biol. 301, 302).

²Three-year students may substitute electives.

³Not required if the distribution requirement in foreign languages has already been completed.

Preparation for Engineering

Students may prepare in this College for entrance to the junior class of any standard engineering school. In making this preparation students will find it necessary to make an early selection of the branch of engineering and the engineering school which they wish to enter in order that their courses may be chosen in accordance with the requirements of their engineering school. It is strongly urged that students seek advice from the Committee on Pre-Engineering Students in adapting their courses to fit the particular branch of engineering they propose to follow.

The course outlined below will be found to meet the general requirements for all branches of engineering.

	<i>Semester Credits</i>
English	6
Mathematics (through Calculus)	15 (or 12)
Engineering Drawing and Descriptive Geometry	6
Physics	10
Chemistry	10

For special branches of engineering the following additional courses are recommended: an additional year of physics for Electrical and Mechanical Engineering; an additional year of Chemistry for Chemical, Mining, and Sanitary Engineering; a year of Biology for Sanitary Engineering. Solid Geometry is required for entrance to most engineering schools and should be taken in addition to the other courses in Mathematics by those who have not already had it.

The course for engineering students may be fitted into the regular program leading to a B.S. degree and this procedure will afford the engineering student a broad training for this professional work. The completion of the program ordinarily requires four years, but engineering students who complete three years in residence and fulfill degree requirements, except the completion of a field of concentration, with a minimum quality point average of 1.2, will, upon application, be granted the B.S. degree of this College on graduation from an approved engineering school.

PROGRAM IN COOPERATION WITH LEADING
ENGINEERING COLLEGES

The College has for many years enjoyed combined plan arrangements with several institutions, such as Massachusetts Institute of Technology and others. Under this arrangement, and by properly planning his studies to include the basic sciences and humanities, a student of high standing may pursue a combined five-year program in which the first three years are spent at the College and the last two (or three, in the case of architecture) at the institution of his choice, leading to the Bachelor's degree from each institution. Thus one year is saved, and the degrees of both institutions and the experience of residence in both are secured. Students desiring to major in physics should enroll in the Pre-Engineering Program.

The following is the program of courses to be taken at the College of William and Mary.

FIRST YEAR

	<i>1st</i>	<i>2nd</i>
	<i>Sem.</i>	<i>Sem.</i>
Grammar, Composition and Literature (Eng. 101-2).....	3	3
Freshman Mathematics (Math. 101-2) ¹	3	3
Elementary General Chemistry (Chem. 101-2).....	5	5
General Physics (Phys. 101-2).....	5	5
Physical Education (Required Phys. Ed.).....	1	1
	<hr/>	<hr/>
Total Semester Credits.....	17	17

SECOND YEAR

English Literature (Eng. 201-2).....	3	3
Calculus (Math. 201-2).....	3	3
Foreign Language.....	3	3
European History (Hist. 101-2) or Government (Govt. 201-2).....	3	3
Mechanics (Phys. 208).....	—	4
Geometrical and Physical Optics (Phys. 207).....	4	—
Physical Education (Required Phys. Ed.).....	1	1
	<hr/>	<hr/>
Total Semester Credits.....	17	17

¹Qualified students should take Calculus (Math. 201-2).

THIRD YEAR		
	1st Sem.	2nd Sem.
Foreign Language.....	3	3
Infinite Series and Functions of Several Variables (Math. 301).....	3	—
Differential Equations (Math. 302).....	—	3
Engineering Drawing and Descriptive Geometry (Ind. Arts 201-2)..	3	3
Electricity and Magnetism (Phys. 303).....	4	—
Alternating Current Circuits (Phys. 304).....	—	4
Engineering Mechanics ¹ (Phys. 307-8).....	3	3
or Analytical Chemistry (Chem. 201-2).....	4	4
Principles of Economics (Econ. 201-2).....	3	3
Total Semester Credits.....	19	19
	or 20	or 20

Students preparing for special programs not mentioned above should consult with the Chairman of the Committee on Pre-Engineering Students.

¹Students preparing for Chemical Engineering or Metallurgy should elect Analytical Chemistry and omit Engineering Mechanics. For Civil, Mechanical and Electrical Engineering programs, Engineering Mechanics should be elected and Analytical Chemistry omitted. Those who elect Analytical Chemistry may find it desirable to include it in the second year program, postponing European History to the third year.

Preparation for Teaching the Natural Sciences and Mathematics

This interdepartmental concentration (Topical Major in Science), which leads to the Bachelor of Science degree, enables a student in a four-year course of study to prepare for certification for teaching on the secondary level in general science and in two of the fields in the area of the natural sciences and mathematics.

Requirements for Concentration

- (a) A one-year course each in Biology, Chemistry, Mathematics and Physics for a total of 36 semester hours.
- (b) An additional 8 semester hours in each of two of the three sciences in (a) above, or an additional 8 semester hours in one science and an additional 12 semester hours in mathematics. (Counting freshmen level courses, the student is thus required to complete either 18 hours in mathematics and 18 hours in one natural science or 18 hours in each of two natural sciences. The two departments selected by the student in which to meet this requirement shall together constitute his Field of Concentration.)
- (c) A total of 36 quality points in the student's Field of Concentration.

Typical Program of Courses

<i>First Year</i>	<i>Second Year</i>
Eng. 101, 102 or 103, 104..... 6	Eng. 201, 202..... 6
1st Science, 100-level..... 10	3rd Science, 100-level..... 10
2nd Science, 100-level ¹ 10	Econ. 201, 202, Govt. 201, 202, or Hist. 101, 102..... 6
Mathematics..... 6	Foreign Language..... 6
Phys. Ed..... 2	Electives ² 6
	Phys. Ed..... 2
Total Semester Credits..... 34	Total Semester Credits..... 36

<i>Third Year</i>		<i>Fourth Year</i>	
Econ. 201, 202, Govt. 201, 202, or Hist. 101, 102.....	6	Natural Science and/.....	8
Foreign Language.....	6	or Mathematics.....	6
Natural Science and/.....	8	Electives	16-24
or Mathematics.....	6		<hr style="width: 50px; margin-left: auto; margin-right: 0;"/>
Electives ³	6- 14	Total Semester Credits.....	30
	<hr style="width: 50px; margin-left: auto; margin-right: 0;"/>		
Total Semester Credits.....	32		

¹A student may postpone one of the freshman level science courses to the junior or senior year, substituting a distribution course for the second science in the freshman year.

²A student may take the second natural science or mathematics in his sophomore year and postpone the electives to his junior or senior year.

³Students desiring to qualify for certification in Virginia or in other states should take as electives, beginning in the junior year, the required professional courses, including student teaching.

Preparation for Forestry

Students may prepare at William and Mary for entrance into forestry schools at other institutions. Here they obtain a sound education in the humanities and other liberal arts in addition to the sciences basic to forestry.

The College offers a special program in cooperation with the School of Forestry of Duke University. Upon completion of a five-year coordinated course of study the student will have earned the Bachelor of Science degree from William and Mary and the professional degree of Master of Forestry from Duke University. The student devotes the last two years of his program to the professional forestry curriculum of his choice at Duke, where forestry courses are open only to seniors and to graduate students.

Candidates for the forestry program should indicate to the Dean of Admissions of the College of William and Mary that they wish to apply for the Liberal Arts-Forestry curriculum. Admission to the College is granted under the same conditions as for other curricula. At the end of the first semester of the third year the College will recommend qualified students for admission to the Duke School of Forestry. Each recommendation will be accompanied by the student's application for admission and by a transcript of his academic record at William and Mary. No application need be made to the School of Forestry prior to this time.

Pre-Forestry Curriculum at William and Mary:

FIRST YEAR	<i>1st Sem.</i>	<i>2nd Sem.</i>
Eng. 101, 102.....	3	3
French or German.....	3	3
Biol. 101, 102.....	5	5
Math. 101, 102.....	3	3
Phys. Ed. 101, 102.....	1	1
	15	15

Preparation for Forestry

SECOND YEAR

	<i>1st Sem.</i>	<i>2nd Sem.</i>
Eng. 201, 202 or Fine Arts 201, 202.....	3	3
French or German.....	3	3
Chem. 101, 102.....	5	5
Biol. 401; Biol. 206.....	4	4
Phys. Ed. 201, 202.....	1	1
	<hr/>	<hr/>
	16	16

THIRD YEAR

Econ. 201, 202.....	3	3
Govt. 201, 202.....	3	3
Biol. 301 or Elective Biology.....	4	—
Biol. 312.....	—	4
Physics 101, 102.....	5	5
	<hr/>	<hr/>
	15	15

INSTITUTE OF EARLY AMERICAN HISTORY AND CULTURE

THE INSTITUTE OF Early American History and Culture was established in 1943 by the union of certain historical research and publication activities of the College of William and Mary and Colonial Williamsburg, Incorporated. The College contributed *The William and Mary Quarterly*, an historical periodical published since 1892, and the use of the rich resources of its library, while Colonial Williamsburg contributed the Williamsburg Restoration Historical Studies, its program of research fellowships, and the use of its important manuscript collections. The board of editors of the *Quarterly* and the Restoration's advisory council of historians were merged to form the first Council of the Institute, an advisory board drawn from the nation at large. The membership of the present Council is given below.

The Institute endeavors to keep before the American people a clear knowledge and understanding of the development of the nation in its progress toward political, economic, and social democracy. It does so by the publication of significant books and articles in the field of early American history from the beginnings through the Jeffersonian era, by conducting research itself and stimulating it elsewhere; by teaching and consultation; and by the acquisition of research materials on microfilm. Its collection of early American newspapers on film is one of the largest extant. Its publication of the *Virginia Gazette Index* in 1950 provided the only comprehensive index to a series of important colonial newspapers so far made available to researchers.

The Institute cooperates in many ways and to the fullest possible extent with the historical activities of both the College and Colonial Williamsburg, but its outlook is national rather than local. Its books, published over a joint imprint with the University of North Carolina Press, and the articles appearing in the *William and Mary Quarterly* are directed to the widest possible audience.

The Director of the Institute is Lester J. Cappon. On his staff are James Morton Smith, Editor of Publications, in charge of the book publication program; Lawrence W. Towner, Editor of the *William and Mary Quarterly*; Joyce Wilder, Assistant Editor of the *Quarterly*; Michael G. Hall and Louis Leonard Tucker, Fellows; William W. Abbot, book review editor of the *Quarterly*; and Frederick A. Hetzel, assistant editor of publications. Mr. Cappon is also Consulting Archivist of Colonial Williamsburg, and Messrs. Towner, Abbot, Hall and Tucker are members of the Department of History at the College.

The offices of the Institute and of the *William and Mary Quarterly* are on the Duke of Gloucester Street near the College campus. The postal address is Box 1298, Williamsburg, Virginia.

The sponsors of the Institute are Alvin D. Chandler, President of the College of William and Mary, and Carlisle H. Humelsine, President of Colonial Williamsburg, Incorporated.

The members of the Council for 1958-1959 are:

- L. H. BUTTERFIELD, *The Adams Papers*
 I. BERNARD COHEN, *Harvard University*
 VERNER W. CRANE, *University of Michigan*
 WESLEY FRANK CRAVEN, *Princeton University*
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VIRGINIA FISHERIES LABORATORY

BOARD OF ADMINISTRATION

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R. J. WASHER	<i>Administrative Assistant</i>
J. D. ANDREWS ⁴	<i>Senior Biologist</i>
WILLIS G. HEWATT ⁵	<i>Associate Biologist</i>
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W. A. VAN ENGEL ⁴	<i>Associate Biologist</i>
ROBERT S. BAILEY ⁴	<i>Associate Biologist</i>
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FRANK J. WOJCIK	<i>Assistant Biologist</i>
ANTHONY L. PACHECO	<i>Assistant Biologist</i>
JAMES P. WHITCOMB	<i>Assistant Biologist</i>

¹To January, 1959.

²Appointed January, 1959.

³Also Professor of Marine Biology. Resigned, January, 1959.

⁴Also Lecturer in Biology.

⁵Summers only.

⁶Acting Director, January, 1959.

⁷Appointed January, 1959. Lecturer in Biology.

JAMES S. STERLING

Research Assistant

CURTIS C. LEIGH

Laboratory Aide

CARROLL O. FOSTER

Laboratory Aide

CLARENCE J. CROSWELL

Laboratory Aide

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HARMON TREAKLE

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NAT W. TERRY

Willis Wharf, Virginia

FACILITIES

The Virginia Fisheries Laboratory is situated at Gloucester Point, on the York River, thirteen miles from the Williamsburg Campus. The Laboratory was established in 1940 to pursue research and educational activities relative to the seafood industry of the State. A unique opportunity is afforded students of Marine Biology and Fisheries to take advanced undergraduate and graduate training at an active center of fisheries research. Because it is located on an important estuary, the Laboratory is admirably situated to conduct research and teaching in marine, estuarine, and freshwater biology.

The main laboratory, constructed in 1950, is equipped with running sea water, compressed air, gas, constant temperature rooms, chemistry laboratory, and a reference library. The new building, completed in 1958, contains living accommodations for students and summer workers. The new 55-foot diesel-powered research vessel *Pathfinder* is equipped with radio-telephone and modern biological and oceanographic instruments. An auxiliary motorboat, outboard motorboats, and rowboats are available.

INSTRUCTION

Qualified undergraduate students who take residence at or near the Laboratory in summer may take advanced training in

Invertebrate Ecology, Physiology, and other subjects as scheduled. The graduate program, leading to the Master's degree in Marine Biology, includes also instruction in Biology of Fishes, Seminars in Marine Biology, Biometry, Parasitology, Taxonomic Methods, and Research. Training in Physical and Chemical Oceanography is available to graduate students by special arrangement with the Chesapeake Bay Institute of the Johns Hopkins University. The Laboratory contributes further to the field of education through its extension activities, which are available to teachers and students in the elementary and high schools and to the general public.

For further information on curriculum and research at the Laboratory, write the Director, Virginia Fisheries Laboratory, Gloucester Point, Virginia.

THE MARSHALL-WYTHE SCHOOL OF GOVERNMENT AND CITIZENSHIP

THE MARSHALL-WYTHE School of Government and Citizenship consists of the Departments of Economics, Government, History, Sociology, and Anthropology, and is therefore included in the Division of Social Sciences. In 1926, through the generosity of James Goold Cutler, Esq., Rochester, New York, a fund of approximately \$100,000 was established, the income to be applied toward the salary of the John Marshall Professor of Government and Citizenship and for other purposes.

The School conducts a symposium, known as the Marshall-Wythe Symposium, every fortnight during the second semester. One semester credit is given in this course, and a student may, in successive terms, receive a maximum of two credits.

THE COLLEGE NEWS BUREAU

THE INFORMATIONAL and public relations program of the College is carried on under the general direction of the Office of Development. It is implemented by the College News Bureau, which is under the supervision of a full-time editor. The News Bureau is the focal point for all information from the College to the general public. The bureau prepares news releases on all College activities, maintains the institution's relationships with press, radio and television media, and in other appropriate ways seeks to interpret the accomplishments of the campus community to the public.

The News Bureau also is a central depository for detailed biographical data on all students currently enrolled in the College, as well as biographical and professional data on all of the faculty currently in residence. It maintains a growing file of clippings, manuscripts and photographs relating to the day-to-day activities of the campus community which is becoming a useful source of history of the College's life. It also distributes information in answer to inquiries from prospective students, educators, historians and other interested persons who write from every state and many foreign countries. The News Bureau also serves as a central office for the administration of the Speakers' Bureau for the William and Mary System.

THE 1959 SUMMER SESSION

THE SUMMER SESSION is planned to provide courses for undergraduate and graduate students enrolled in liberal arts programs, to provide professional training for teachers, counselors, principals, supervisors, and superintendents, and to furnish basic instruction in pre-professional programs, such as Forestry, Engineering, Medicine, Dentistry, Law, and the Ministry. Provision is made also for meeting the educational needs of veterans from the armed services and of high school graduates who wish to begin college work in the summer in order to accelerate their completion of the four-year college program.

The summer session is an integral part of the educational program of the College of William and Mary, and the opportunities for study are essentially the same as in the regular academic session. Courses in instruction are carefully selected from the regular session curriculum and are supplemented by courses specifically designed to suit the interests and needs of students who attend the summer session. Instruction is provided by regular members of the William and Mary faculty supplemented by specialists from other institutions.

For the most part, admission to the College, degree requirements, supervision of students, college regulations, the Honor System, and the like, set forth elsewhere in this catalogue, apply in the summer session.

The summer session consists of a six-week term followed by a three-week post session. Students may enroll for either or both terms. Certain courses in Law, Science, and Modern Languages will be taught on a nine-week basis. Additional workshops for teachers may be taken for three- and six-week terms. Six semester hours will constitute a full course load for the six-week term and the three hours will be considered a full load during the post session.

SUMMER SESSION CALENDAR
1959

- June 14 Summer Band School*
- June 15 Registration for First Session
- June 16 Classes begin
Workshop on Life in Early Virginia*
Laboratory Conferences (for Elementary and Secondary Teachers)
- July 24 End of First Session
- July 27 Post Session begins
- August 14 Post Session ends

FEES AND EXPENSES

Tuition for the Summer Session is comparable to that charged students enrolled during the regular session. The unit for computing the tuition charge is the semester hour of credit. The tuition fee for a semester hour of credit is as follows: Virginia teachers, \$7.00; other Virginia students, \$7.50; students from other states, \$12.50. There are no additional special fees except a registration fee of \$3.00 per student, and a laboratory fee in laboratory courses.

All students of the College, both men and women, are required to room in college dormitories, except graduate students and those commuting daily from their homes. The weekly rates for rooms vary according to the accommodations needed by students: for men, the rates range from \$3.00 to \$5.25 per person; for women, \$4.75 to \$6.75 per person. Virginia teachers are allowed a twenty per cent discount on college rooms. A limited number of accommodations for married couples may be found in private homes and apartments near the College. Students are urged to reserve their rooms as far in advance as possible.

*Special bulletins for these programs are available at the office of the Director of the Summer Session, College of William and Mary.

Meals are provided in the College Cafeteria on an a la carte plan. Expenditures for food vary with individual appetites, but the weekly average is approximately fifteen dollars.

All freshmen and sophomore students who are regularly enrolled at William and Mary, or any other college, and who live in the dormitories, are expected to take their meals in the College Cafeteria. Meal tickets are available.

Students should allow ten to fifteen dollars for text books; other expenses such as travel, recreation, clothing, and the like depend upon the individual.

INFORMATION ABOUT THE SUMMER SESSION

Besides the Summer Session catalogue which is distributed in February, there is available a number of special bulletins that describe in detail certain opportunities for students in the College of William and Mary. These bulletins or other information on the Summer Session may be secured by writing to the Director of Summer Session, College of William and Mary, Williamsburg, Virginia.

THE EVENING COLLEGE

THE COLLEGE OF WILLIAM AND MARY in September, 1952, initiated a program of evening meetings of courses to enable residents of Tidewater communities and military personnel stationed in the area to obtain residence credits which might be applied toward a degree at William and Mary or at other accredited institutions. This program has been accepted enthusiastically by many members of the Armed Forces whose education was interrupted by call to service and by in-service teachers and school administrators.

Enrollment during the first semester of the current year totalled 393 individuals. About one-third of the students were officers and enlisted men and women of the Army, Navy, Air Force, and Marine Corps.

The essential requirement for admission to the Evening College is graduation from an accredited secondary school with a minimum of sixteen acceptable units or the equivalent of this requirement as shown by examination. All applicants for admission, other than former students in good standing at the College of William and Mary, must file an application in person at the Evening College office during pre-registration periods.

Transcripts of high school academic records or transcripts of work taken at other colleges must be furnished by all new applicants not later than one week prior to the regular registration date each semester. These transcripts must be requested by the applicant and must be mailed directly to the Coordinator of the Evening College by the issuing high school or college.

The College of William and Mary will not take action on an application for admission until all application forms, transcripts, and test scores (when required) have been received and processed. Tests of the College Entrance Examination Board may be required at the discretion of the College. Tests may include the Graduate Record Examination, the Scholastic Aptitude Test, the General Educational Development Test, or other tests deemed appropriate by the College.

Applicants who are eligible for admission to the Evening College are notified by mail. Applicants whose academic records are deemed unsatisfactory by the College may be permitted to take the tests noted above during a testing period. The cost of such tests is borne by the applicant. The College reserves the right to reject any applicant whose performance on such tests suggests to the examiners that he is not qualified to engage in the courses in which he wishes to enroll. Such applicants are advised by mail as soon as practicable after test scores have been reviewed.

Registration in Evening College is open only to qualified applicants who enroll for academic credit. Auditors are not permitted to attend evening or Saturday courses.

Admission to the Evening College may not be construed as automatically admitting the applicant to the day session or to any other division or branch of the College of William and Mary.

Courses are taught by members of the college faculty with some assistance from other qualified instructors.

Tuition fees are \$10 per semester credit, payable upon registration. Some of the military students have enrolled under provisions of Armed Forces education plans in which the Services contribute seventy-five per cent of the tuition fees.

A special bulletin giving full details concerning the Evening College may be obtained by writing to the Coordinator of the Evening College, College of William and Mary.

RICHMOND PROFESSIONAL INSTITUTE

THE RICHMOND PROFESSIONAL INSTITUTE of the College of William and Mary is a technical college which had its beginning in 1917. In 1920 it became affiliated with the College of William and Mary, and in 1925 it became a definite part of the College.

In 1946 the Institute became affiliated with the Virginia Polytechnic Institute which established a branch of its Engineering Division on the R. P. I. campus.

The Richmond Professional Institute is coeducational and open to men and women on the same terms. The enrollment in the fall of 1958 was 4,101 of which 1,825 were full-time students.

The Richmond Professional Institute offers instruction on three levels—Junior College, Senior College and, in certain fields, Graduate-Professional.

The work of the institute is organized in the following schools and departments:

The School of Art, which includes the departments of: Fine Arts, Advertising Art, Drafting, Costume Design and Fashion, Dramatic Art and Speech, Applied Arts and Crafts, Art Education, Interior Design, Photography.

The School of Music (including the Department of Music Education).

The School of Business.

The School of Distribution.

The School of Occupational Therapy.

The School of Social Work (graduate).

The School of Rehabilitation Counseling (graduate).

The School of Applied Social Science: undergraduate, which includes the undergraduate programs in public welfare, probation, parole and penology and the programs in recreation and

physical education, elementary education, applied sociology and statistics. The Department of Journalism is also a part of the School of Applied Social Science.

The School of Applied Science: which offers the programs in medical, biological and chemical laboratory technic and therapy. The Department of Clinical and Applied Psychology is also a part of the School of Applied Science.

The School of Nursing.

The Department of Engineering, in cooperation with Virginia Polytechnic Institute, offers the first two years of the standard four-year course in the various branches of Engineering.

The School of Technology (Technical Institute), in association with the Department of Engineering, offers two-year terminal programs designed to prepare students for positions in drafting and as technicians in architecture, engineering, electronics, building and construction. Technical institute programs are also offered in chemical technology, photography, business, retailing, advertising, and broadcasting.

DEGREES

At the Richmond Professional Institute each of the professional schools or departments offers major programs of study leading either to a certificate or to the professional diplomas or degrees described below.

The professional schools and departments of the Richmond Professional Institute offer two or three year Junior College programs of study open to high school graduates and leading to a certificate, and four-year programs leading to the degrees: Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, or Bachelor of Science in a professional subject, the name of which is printed on the diploma. In some of the schools one- or two-year programs for college graduates are offered. These lead to a certificate or to a master's degree in a professional subject. The degrees are conferred in the name of the Richmond Professional Institute of the College of William and Mary.

The Richmond Professional Institute issues a separate catalogue, a copy of which will be sent on request to the Director of Admissions, Richmond Professional Institute, 901 West Franklin Street, Richmond, Virginia.

THE COLLEGE OF WILLIAM AND MARY, NORFOLK DIVISION

THE NORFOLK DIVISION of the College opened in September, 1930, on property given by the City of Norfolk. Since 1919 the College had carried on in Norfolk a considerable amount of extension work, from which the Norfolk Division naturally developed. The establishment of the Division has made possible a more complete educational service in the Norfolk-Portsmouth area. About 4,200 students are now enrolled in the various programs.

The Norfolk Division was for twenty-four years a junior college. In 1954 authorization was received to begin programs leading to bachelors' degrees in Business Administration, Elementary Education and Nursing Education. Authorization has been received recently for degree work in Medical Technology, Sociology, Biology, Physical Education, Secondary Education, Chemistry, English, Music, History, Mathematics, and the Pre-Medical Sciences.

To accomplish the varied purposes of a community college, three distinct types of curricula are offered. One type of curriculum, designed to be completed in two years, prepares the student either for some specific employment or offers him a general education. Two year programs are available in liberal arts, business administration, engineering, secretarial science, retail training, and trade and industrial training. This type of curriculum leads generally to the Associate in Arts Degree or the Vocational Certificate.

The second type of curriculum fulfills the requirements for the first two college years of a liberal arts or professional program. The liberal arts program fulfills the general basic requirements for courses leading to the A.B. degree at the College in Williamsburg or elsewhere. The professional programs include science, business administration, pre-law, pre-dentistry, pre-medical, nursing, music, and others, all of which may be continued or completed at the College of William and Mary.

The third type of curriculum, designed to be completed in four years, offers work leading to the bachelor's degree with concentrations in Business Administration, Medical Technology, Elementary Education, Secondary Education, Sociology, Biology, Chemistry, the Pre-Medical Sciences, Mathematics, History, Music, English, Physical Education, and Nursing Education. All work toward degrees may be completed at the Norfolk Division.

In 1931 the Virginia Polytechnic Institute joined with the College in offering the first two years of their engineering curricula at the Norfolk Division. Students in this program may expect to transfer to Virginia Polytechnic Institute and complete their degree requirements in two additional years.

The Cooperative Engineering Program is now being offered whereby a student combines actual working experience with his college studies. During this program the student will spend alternate quarters in the classroom and in the industry of his choice. This alternation will continue for four years, three years of which are spent at the Norfolk Division and the fourth year at the Virginia Polytechnic Institute in Blacksburg. The fifth year or senior year is spent entirely on the campus at Blacksburg without alternation in industry. Thus in five years a student may complete his degree and earn his expenses in so doing.

The Evening College program offers a large number of courses to those unable to attend the regular sessions. In these classes approximately 1,400 students enroll annually.

The Technical Institute meets the demand of the Tidewater Area for vocational and trade programs. Much splendid equipment has been made available for training purposes in the fields of radio, television, electronics, drafting, refrigeration, air conditioning, machine shop, auto mechanics and others.

Separate catalogues for the Division and for the Technical Institute are published annually in the spring. Copies of the bulletins may be obtained by addressing the Admissions Office of the Norfolk Division.

THE WILLIAM AND MARY ENDOWMENT FUND

THE ENDOWMENT ASSOCIATION

The affairs of the Association, a private corporation, are conducted by a self-perpetuating elected Board of from nine to fifteen members. The present membership of the Board is as follows:

ALVIN DUKE CHANDLER, 22x, Williamsburg, *President*
ROBERT T. ARMISTEAD, '36, Williamsburg, *Vice-President*
HUGH H. SISSON, JR., Williamsburg, *Secretary-Treasurer*
J. D. CARNEAL, JR., '20, Richmond
KENNETH CHORLEY, Williamsburg
MRS. ALFRED I. DUPONT, Wilmington, Delaware
W. BROOKS GEORGE, '32, Richmond
HENRY CLAY HOFHEIMER, II, Norfolk
WILLIAM L. PERSON, '24, Williamsburg
J. GARLAND POLLARD, JR., '23, Somers
JAMES M. ROBERTSON, '29, Norfolk
H. HUDNALL WARE, '22x, Richmond

The income from the Association's funds is used to support scholarships, Chancellor professorships, and other general college purposes. The objectives of the Endowment Association are contained in the charter and by-laws, copies of which may be obtained on request.

THE FRIENDS OF THE COLLEGE

The Friends of the College number forty-three. Annual memberships of this organization are \$100; life memberships, \$1,000. The income of the Friends is spent currently for a variety of purposes at the discretion of the President of the College. Recurring expenditures are for the support of concerts, lectures, the Musical Records Collection, the War Memorial Book Shelf, undergraduate activities, and scholarship aid. The annual bulletin of the Friends may be obtained on request.

GIFTS AND BEQUESTS

Although the College of William and Mary derives a certain amount of its financial support from appropriations from public funds by the General Assembly of the Commonwealth of Virginia, the remainder of the money required for its operation—and particularly for the qualitative development of its research and educational services—must come from endowment funds, gifts, bequests, and other types of support from a variety of non-tax or non-public sources. In a period of steadily increasing demands for additional or enlarged services of various types, all colleges—those which are entirely privately supported, those which are entirely state-supported, and those which, like the College of William and Mary, rely on both public and private funds—must look to their friends, alumni, and others interested in the continued growth of higher learning, for the economic assistance necessary to carry on.

This economic assistance may take the form of single or continuing grants from educational foundations, or from private corporations, or from individuals. The individual gift may be either a lifetime gift or a testamentary gift or bequest. It may be a general gift, to be used for such purposes as the College may itself determine; or it may be a specific gift for a purpose desired by the donor or proposed by the College. It may be a gift large enough to cover the entire cost of establishing and maintaining a particular structure or activity, or it may be an integral part of a fund representing several gifts whose aggregate will suffice to meet the necessary cost of the total project.

A wide variety of essential activities of the College may be aided fundamentally by such gifts and bequests. Scholarships and fellowships, with their attendant supplemental grants to the College to cover the extra costs incurred in accepting such scholarship and fellowship holders as students, are one of the most general categories of such private support. Similarly, grants in aid of staff salaries, including the creation of endowed chairs and of distinguished professorships, are increasingly needed by institutions such as the College of William and Mary, to meet the competition of private industry and other educational agencies which

are continually bidding for the services of such trained personnel. Research grants, funds to finance the purchase of rare manuscripts and related scholarly materials, exchange professorships and scholarships to permit students and faculty from the College to study abroad and to bring to this campus their counterparts from foreign universities, are other continually-needed contributions. Finally, the College has occasionally benefitted from gifts for a variety of major capital projects (e.g., buildings) for which future gifts and bequests will be welcomed.

Gifts. Lifetime gifts, or gifts by corporations or foundations, should be made to The Endowment Association of the College of William and Mary in Virginia, Inc.

Any kind of property, real or personal, may be the subject of a gift and only such form as is required to pass title is necessary. If the gift consists of real property, the title will be passed by deed; if it consists of cash or unregistered bonds, the gift is consummated by delivery of the property; or if stocks, by delivery of properly endorsed stock certificates. Unless restricted, the use of gifts is at the discretion of the board of The Endowment Association. Usually the proceeds, conservatively invested, are added to the permanent endowment of the College of William and Mary. The donor may, however, restrict the use of any gift and designate definitely the purposes for which it shall be used. In such cases, the transfer of property would be accomplished by a letter or other documents describing in detail the purposes for which the proceeds of the gift are to be used and when accepted by The Endowment Association the term or conditions set out therein become binding upon it.

Bequests. Testamentary gifts, or bequests, should be made to The Endowment Association of the College of William and Mary in Virginia, Inc. Bequests may be made by setting their provisions forth in a will; or, if a will has already been drawn, they may be expressed in a codicil to the will. The following forms for wills or codicils are suggested:

GENERAL

I (*give*, if personal property; *devise*, if real property) and bequeath to The Endowment Association of the College of William

and Mary in Virginia, Inc., a private corporation existing under the laws of the Commonwealth of Virginia and located in the City of Williamsburg, Virginia, and to its successors forever, the sum of.....dollars (or otherwise describe the gift) for the general purposes and uses of the College of William and Mary in Virginia at the discretion of The Endowment Association of the College of William and Mary in Virginia, Inc.

SPECIFIC

I (*give*, if personal property; *devise*, if real property) and bequeath to The Endowment Association of the College of William and Mary in Virginia, Inc., a private corporation existing under the laws of the Commonwealth of Virginia and located in the City of Williamsburg, Virginia, and to its successors forever, the sum of.....dollars (or otherwise describe the gift) and direct that the principal thereof and/or income therefrom shall be used for the following purposes, viz. (here describe the use desired).

CODICIL

Having hereinbefore made my last Will and Testament dated....., and being of sound mind, I hereby make, publish, and declare the following codicil thereto; (here insert clause in same form as if it had been included in the body of the Will). Except as hereinbefore changed, I hereby ratify, confirm and republish my said last Will and Testament.

SCHOLARSHIPS, FELLOWSHIPS, LOANS AND STUDENT EMPLOYMENT

The College offers financial assistance to deserving students who wish to defray a part of their total college expense. The types of aid include scholarships, fellowships, grants-in-aid, loans and student employment. These are administered and awarded by the Committee on Scholarships and Student Employment. Inquiries and applications for financial assistance should be directed to the Secretary of the Committee. Students in residence who wish to apply for aid must do so in writing prior to May 1 of the session preceding the one for which they hope to obtain aid. Entering students must present their applications before August 1 of the year they expect to enter the College. No application for aid will be considered until the student has been selected for admission. It is suggested, however, that application forms be secured and completed in advance of March 15, the date of the first selection of candidates for admission.

All awards, unless otherwise stated, are made on the bases of need, character, and scholastic ability, and are made for one year only. Recipients of these awards must be in residence at the College.

SCHOLARSHIPS

Students holding scholarships which exempt the recipients from the payment of college fees must reside in the dormitories owned by the College, and must board in the College Refectory.

At the beginning of the first semester, one-half of the value of a scholarship is credited to the student's account; the remainder is credited at the beginning of the second semester, provided the student has satisfied the academic and other requirements set forth in the Notification of Award.

All students who hold scholarships must make a quality point average of 1.0, or better, during the first semester to have the award continued for the second semester.

ENTERING FRESHMEN

Scholarship aid for able and deserving students is available for residents of Virginia, both men and women. A limited number of scholarships are also available to out-of-state male residents. For the latter it is suggested that the results of the Scholastic Aptitude Test of the College Entrance Examination Board be submitted to the Dean of Admissions as evidence of scholastic ability.

Among those scholarships which are primarily designated for entering freshmen are:

1. Unfunded Scholarships valued up to \$200 each for an academic year. These scholarships are available to entering Virginia freshmen who meet the qualifications of scholastic achievement, character, and need.
2. Thomas Ball Scholarship Fund, established to aid students from Tidewater Virginia and particularly from the Northern Neck of Virginia. These awards vary from \$50 to \$500 for an academic year and are renewable for four years.
3. Cary T. Grayson Scholarships valued up to \$200 for an academic year of \$800 for four years. These scholarships are available to men students, Virginians and non-Virginians alike.
4. The Greene Scholarships, valued from \$100 to \$500 per academic year, available to members of the freshman class on the basis of scholastic excellence. To be eligible the applicant is expected to be in the upper third of his senior class in secondary school and may be requested to take the Scholastic Aptitude Test of the College Entrance Examination Board.
5. The Cromwell Scholarships, valued from \$100 to \$300 per academic year, awarded on the bases of academic excellence and need. An applicant may be asked to take the Scholastic Aptitude Test of the College Entrance Examination Board, and he must have a personal interview.
6. Teacher Training Scholarships are available to freshmen who are residents of Virginia and plan to teach in the Virginia Public Schools. These scholarships are valued

at \$350 per academic year. Address all inquiries to Professor George J. Oliver, Chairman of the Department of Education at the College.

7. Science Contest Scholarships. Six awards made annually to entering Virginia male students on the basis of competitive written examinations in each of three fields: biology, chemistry, and physics. The first place award in each field is valued at \$500 for the session; the second place award in each field is valued at \$300 for the session. These scholarships are renewable for three succeeding years if the recipient achieves a creditable record.
8. Modern Language Scholarships. The Modern Language Association of Virginia conducts a yearly tournament in French and Spanish in the high schools of Virginia. The College of William and Mary offers two scholarships of \$100 each, one for French and one for Spanish. These scholarships are open to men only.
9. Latin Tournament Scholarships. The Virginia Classical Association conducts annually a Latin Tournament for Virginia high school students. The College of William and Mary offers one scholarship valued at \$200 to a senior winner in one of the several classes of entrants in this tournament. The scholarship is renewable after the freshman year, if the recipient achieves a creditable record.

UPPERCLASSMEN

Most of the scholarships which follow are available for upperclassmen. These are valued from \$50 to \$500 for the academic year and may be applied for in the manner suggested above.

EXETER COLLEGE SCHOLARSHIP

The College of William and Mary has entered into an agreement with Exeter College (University College of the South West, Exeter, England) for an annual exchange of students. Under the plan the College of William and Mary will each year send one of its outstanding students abroad for a year's study at Exeter College, and a student from Exeter College will come to the College of William and Mary for the same period. All college fees

(tuition, registration, room and board) will be waived for the exchange student who will live in one of the Residence Halls of Exeter College. The Exeter College Scholarship is open to students who are about to enter their Junior year or who are members of the graduating class.

DRAPERS' COMPANY EXCHANGE SCHOLARSHIP

Each year an outstanding graduate of William and Mary will be selected by the College for a two-year period of study at Oxford, Cambridge or at another British university. This is made possible by an agreement between William and Mary and the Drapers' Company of London. In exchange a British student, preferably from Bancroft's School, will be selected by the Drapers' Company for a two-year period of undergraduate study toward a Bachelor's Degree at the College of William and Mary. This exchange program will provide the costs of tuition and living expenses for each student.

FINANCIAL AID FOR GRADUATE AND PROFESSIONAL STUDENTS

Graduate assistantships valued at \$1,200 for the academic year are available in the Departments of Education and English.

The Department of Psychology offers a work-study plan in the area of experimental psychology. Participants in this program work on a half-time basis as Interns in Abnormal Psychology at Eastern State Hospital in Williamsburg for which they receive a stipend of \$115 per month.

The Department of Biology has available research assistantships in marine biology. In this program research assistants work in the Virginia Fisheries Laboratory at Yorktown, Virginia. These research assistantships carry a stipend of \$125 per month on a twelve-month basis.

The Department of History offers three \$2,000 assistantships and two \$1,500 fellowships in its combined Master of Arts and Historical Administration program. The fellowships are also available to students enrolled only in the regular Master of Arts program. Other aids available to graduate students in history are the fellowships sponsored by the Society of the Cincinnati

and the Order of First Families of Virginia. These two grants are awarded annually in the amounts of \$500 and \$300 respectively.

The Marshall-Wythe Law School has several scholarships available for eligible students. The Matthew Gault Emery Law Scholarship is valued at \$300; the Law and Taxation Scholarship is valued at \$500; and the W. A. R. Goodwin Scholarships and Grants are valued from \$500 to \$3,000.

MERIT SCHOLARSHIPS

The Merit Scholarships are awarded on the basis of academic achievement to the ranking undergraduate scholars of the College and are not available to entering students.

Each of these scholarships exempts the student from tuition fees to the extent of \$75.00 (if the recipient is a Virginia resident), or \$100.00 (if the recipient is not a Virginia resident), except that the Elisha Parmele Scholarship and the William Arthur Maddox Scholarship award \$100.00 and \$75.00 respectively, regardless of residence.

One-half of the scholarship is credited to the student's account at the beginning of the first semester and one-half at the beginning of the second. Failure to remain in residence at the College for the second semester forfeits one-half the value of the scholarship.

<i>Award</i>	<i>Donor or Source</i>
HENRY EASTMAN BENNETT	Loren Eastman Bennett, Mrs. Henry E. Bennett, and Mrs. William George Guy
GEORGE BLOW	Captain George P. Blow
PRESIDENT BRYAN	Friends of the College of William and Mary
"KING" CARTER	Founded by Robert Carter, revived through the efforts of Mrs. Malbon G. Richardson
CHANCELLOR	Hugh Blair Grigsby
JOHN ARCHER COKE	John Archer Coke and Mrs. Elsie Coke Flanagan

<i>Award</i>	<i>Donor or Source</i>
EDWARD COLES	Mary Roberts Coles and Mrs. George S. Robins
CORCORAN	W. W. Corcoran
JACKSON W. DAVIS	General Education Board of the Rockefeller Foundation and Friends of the College
GRAVES	Rev. Dr. Robert J. Graves
ROBERT W. HUGHES	Robert M. Hughes, LL.D.
JOSEPH E. JOHNSTON	Robert M. Hughes, Jr.
JOHN B. LIGHTFOOT	Mrs. Mary Minor Lightfoot
MARY MINOR LIGHTFOOT	Mrs. Mary Minor Lightfoot
WILLIAM ARTHUR MADDOX	Susie W. Maddox
ELISHA PARMELE	United Chapters of the Phi Beta Kappa Society
JOSEPH PRENTIS	Judge Robert R. Prentis
JOHN WINSTON PRICE	Starling W. Childs
SOUTTER	James T. Soutter

GENERAL SCHOLARSHIPS

<i>Award</i>	<i>Donor or Source</i>
ALUMNI	Society of the Alumni
THOMAS BALL FUND	Mrs. Alfred I (Jessie Ball) duPont
CHRISTOPHER BRANCH	Blythe Walker Branch
J. BRUCE BREDIN	J. Bruce Bredin
BELLE S. BRYAN	John Stewart Bryan
JOHN STEWART BRYAN FUND	Mrs. Lettie Pate Evans
HARRY LEE CARTER	Harry Lee Carter

<i>Award</i>	<i>Donor or Source</i>
JOHN CLOPTON AND JOHN BACON CLOPTON	Mrs. Maria Clopton Jackson
BETTY RUTH CODDINGTON MEMORIAL	Alpha Chi Chapter of Gamma Phi Beta
RUSSELL MILLS COX, JR., WAR MEMORIAL	Dr. Russell M. Cox and Harry Duffield Cox, '43
CROMWELL	William N. Cromwell
CHANCELLOR DARDEN SCHOLARSHIP AND LOAN FUND	Mrs. Colgate W. Darden, Jr.
DELTA DELTA DELTA	Alpha Mu Chapter of Delta Delta Delta
EARLY VIRGINIA HISTORY FELLOWSHIP	Order of First Families of Virginia
LETTIE PATE EVANS	Lettie Pate Evans Foundation
JUNIUS BLAIR FISHBURN FRIENDS	Junius Blair Fishburn Friends of the College of William and Mary
GENERAL FUND	Board of Visitors of the College of William and Mary
ANNE GOFF	Mrs. Anne B. Goff
ADMIRAL CARY T. GRAYSON	Anonymous
GREENE	Mr. and Mrs. William H. Greene
HIBBARD MEMORIAL	Captain and Mrs. R. C. Hibbard
IRVIN MEMORIAL	Miss Annie B. Irvin
THOMAS JEFFERSON	Daughters of the Cincinnati
LAMBDA CHI ALPHA MEMORIAL	Epsilon Alpha Zeta Chapter of Lambda Chi Alpha
LANGHORN-PUTNEY MEMORIAL	Eugenie D. Turnage

<i>Award</i>	<i>Donor or Source</i>
MEMORIAL ENDOWMENT FUND	J. Gordon Bohannon
MONROE HALL	Resident Students of Monroe Hall
NORFOLK DIVISION	Board of Visitors of the College of William and Mary
PAN-HELLENIC	Pan-Hellenic Council of the College of William and Mary
PI KAPPA ALPHA	Robert M. Hughes, LL.D.
PRENTICE-HILL DRAMATIC	Mrs. Anna Bell Koenig Nimmo
SECOND WORLD WAR	Mrs. Anna Bell Koenig Nimmo
BERTEL RICHARD RASMUS- SEN WAR MEMORIAL	Mr. and Mrs. Bertel Rasmussen
MARY BOYD RYLAND	Archie Garnett Ryland
MARTHA WALLER SAUNDERS	Alice LaVillion Saunders
OSCAR F. SMITH MEMORIAL	Oscar F. Smith
SOCIETY OF THE CINCINNATI FELLOWSHIP IN HISTORY	Society of the Cincinnati in Virginia
SPECIAL STATE	The General Assembly
STUDENT RELIGIOUS UNION	College of William and Mary
TEACHER TRAINING SCHOL- ARSHIPS	The General Assembly
TYLER-CHANDLER	Class of 1920
UNFUNDED	The General Assembly
UNITED DAUGHTERS OF THE CONFEDERACY	United Daughters of the Confederacy
VIRGINIA PILOT ASSOCIA- TION	Virginia Pilot Association of Nor- folk, Virginia
GEORGE WASHINGTON	Daughters of the Cincinnati

292 *Scholarships, Loans, and Student Employment*

<i>Award</i>	<i>Donor or Source</i>
ALEXANDER W. WEDDELL	Alexander W. Weddell
VIRGINIA WEDDELL	Mrs. Virginia Weddell
WOMEN STUDENTS' CO-OPERATIVE GOVERNMENT ASSOCIATION	Women Students' Co-operative Government Association of the College of William and Mary
WILLIAM AND MARY EDUCATIONAL FOUNDATION	William and Mary Educational Foundation

SPECIAL SCHOLARSHIPS

<i>Award</i>	<i>Donor or Source</i>
LATIN TOURNAMENT	College of William and Mary
MODERN LANGUAGE	College of William and Mary
SCIENCE CONTEST	College of William and Mary

GRADUATE, PROFESSIONAL AND CO-OPERATING SCHOOLS

<i>Award</i>	<i>Donor or Source</i>
COLLEGE OF WILLIAM AND MARY	Massachusetts Institute of Technology
LAW AND TAXATION	J. D. Carneal, Jr.
MATTHEW GAULT EMERY LAW	Theodore S. Cox
KAPPA DELTA PI EDUCATION	Alpha Xi Chapter of Kappa Delta Pi
WILLIAM A. R. GOODWIN MEMORIAL FUND	Mrs. Lettie Pate Evans
EXETER COLLEGE	College of William and Mary
DRAPERS' COMPANY EXCHANGE SCHOLARSHIP	Drapers' Company and College of William and Mary
PHI ALPHA DELTA LAW	George Wythe Chapter of Phi Alpha Delta

LOAN FUNDS AND SCHOLARSHIPS

<i>Loan or Scholarship</i>	<i>Donor or Source</i>
PHILO SHERMAN BENNETT LOAN FUND	William Jennings Bryan
HOPE-MAURY LOAN SCHOL- ARSHIP	The Hope-Maury Chapter of the United Daughters of the Con- federacy
NORFOLK COLLEGE ALUM- NAE ASSOCIATION LOAN SCHOLARSHIP	Alumnae Association of Norfolk College
WILLIAM LAWRENCE SAUN- DERS STUDENT AID FUND	William Lawrence Saunders
WILLIAM K. AND JANE KURTZ SMOOT FUND	Fairfax County Chapter, Daughters of the American Revolution
STATE STUDENTS' LOAN FUND	The General Assembly

STUDENT EMPLOYMENT AND THE
WORK-STUDY PLAN

In order to coordinate work and study the College has vested control of student employment in the Committee on Scholarships and Student Employment. This control applies to positions on the campus as well as to jobs in the City of Williamsburg

At the present time employment opportunities in the vicinity of the College of William and Mary are such that each student may be assured of a substantial work income. A student may expect to earn from one-fourth to three-fourths of his college expenses. Through the cooperation of Colonial Williamsburg and other business concerns, a plan synchronizing part-time employment with study has been developed.

In order to maintain a proper balance between hours of employment and academic loads, the College requires that all student employment on the campus or in the city be assigned by the Secretary of the Committee on Scholarships and Student Employment. Students are cautioned not to undertake more outside work than their academic schedules will safely permit. The

normal work load is fifteen hours per week, and no student may work more than twenty hours per week without permission from the Committee on Scholarships and Student Employment.

Student employment assignments are on a contractual basis. All students accepting employment are expected to meet the responsibilities of their respective jobs. Failure to do so will constitute adequate reason for the Committee to refuse further financial assistance.

The usual jobs available to students, both during the academic session and in the summer, are those as waiters, clerks, salesmen, technical and manual workers, stenographers, typists, and student assistants at the College. Whenever possible, the Committee on Scholarships and Student Employment will secure for the student a job which is directly related to his intended future career or to his course of study. In every case, an effort is made to give the student a job in which he can display his interests, talents, and skills to the best advantage.

PRIZES

The Lord Botetourt Medal. An annual award to the graduating student who has attained greatest distinction in scholarship. The medal was established in 1772, and has been revived through the generosity of Mr. Norborne Berkeley.

James Frederick Carr Memorial Cup. A memorial to James Frederick Carr, a former student of the College, who lost his life in the World War, March, 1919. This cup is the property of the College. The student winning the award has his name engraved on the cup. Awarded on the basis of character, scholarship, and leadership. Presented by Mrs. John B. Bentley.

Chi Omega Award. Twenty-five dollars awarded by the local chapter of the Chi Omega fraternity to the student attaining the highest average in the Department of Government.

The Educational Foundation Awards. These awards are made annually to the outstanding intramural athlete and to the outstanding intercollegiate athlete among the senior men. In making the awards consideration is given to character, leadership, scholarship and sportsmanship, as well as to athletic prowess.

These awards are supported by the College of William and Mary Educational Foundation, Inc.

The Wayne F. Gibbs Award. A prize of \$25 annually shall be awarded to the best student in accounting who shall have successfully completed (or is about to complete) his undergraduate work.

The William A. Hamilton Prize. A prize of \$300 established in 1938 by Charles P. Sherman, D.C.L., LL.D., as a memorial to the late William A. Hamilton, D.C.L., formerly Professor of Jurisprudence and Dean of the School of Economics and Business Administration, awarded to the student graduating in Law who shall write and submit the best essay or thesis on a subject connected with Roman Law or with Comparative Roman and Modern Law, the subject to be assigned by the faculty of the Marshall-Wythe School of Law.

James Barron Hope Scholarship. Established in 1897 by Robert M. Hughes, LL.D., of Norfolk, Virginia. It is awarded for the best piece of creative writing published in the College magazine and written by a student below Senior rank. The scholarship exempts Virginia students from the payment of \$75 in fees and non-Virginia student from \$100 in fees.

The L. Tucker Jones Memorial Prize. These prizes are awarded annually to the outstanding senior students in the men's and women's intramural programs. In making the awards consideration is given to qualities of leadership, high ideals, and scholastic standing. These prizes are supported by the L. Tucker Jones Memorial Fund.

The Tiberius Gracchus Jones Literary Prize. Established by Archer G. Jones as a memorial to his father, Tiberius Gracchus Jones, a member of the class of 1844-45. The income from the gift of \$1,000 supports a prize for the best English essay submitted by any undergraduate student. The word "essay" includes the poem, the short story, the play, the oration, and the literary essay.

Lawyers Title Award. The Lawyers Title Insurance Corporation of Richmond, Virginia, awards an annual prize of \$100 together with an appropriate certificate to the senior or grad-

uating student of law in the Marshall-Wythe School of Law found by the faculty of the Law School to be most proficient in the law of real estate.

The Seidman & Seidman Tax Award. The firm of certified public accountants of Seidman & Seidman makes an annual award of a gold key on which the seal of the College is engraved, to the student in the Marshall-Wythe School of Law who, at graduation, has achieved the highest average in his courses on taxation, provided that his program has included at least twelve semester hours in this field.

The Society of the Cincinnati in the State of Virginia Prizes. The Society offers each year a medal of bronze and a cash prize of \$100 to a male student, majoring or minoring in history, who submits the best essay on a subject dealing with the constitutional history of the United States, or with Virginia Colonial history. The subject must be approved by the chairman of the history department. The essays must be submitted to him during the first week in May. They must be typewritten, with duplicate copies, and signed with a pseudonym. The author's name together with his pseudonym should accompany each essay in a sealed envelope. No prize will be given if a paper of sufficient merit is not submitted.

Sullivan Awards. A medallion awarded by the Southern Society of New York in recognition of influence for good, taking into consideration such characteristics of heart, mind, and conduct as evince a spirit of love and helpfulness to other men and women. Awarded each year to a man and a woman from the student body and to a third person possessing the characteristics specified by the donors.

The Wall Street Journal Achievement Award. A suitably inscribed medal and a year's subscription to the *Wall Street Journal* awarded to the outstanding senior in the Investments course.

The Virginia Trust Will Awards. The Virginia Trust Company of Richmond makes awards of \$50 to each of the two students in the Marshall-Wythe School of Law who submit the best wills. These students are also eligible for state-wide awards.

PRIZES AND HONOR AWARDS

PHI BETA KAPPA

INITIATES, ACADEMIC YEAR, 1957-1958

Members in Course

Class of 1958

MICHAEL DAVID ALEMBIK	Portsmouth, Virginia
JOHN HAMILTON ANDREWS	Roanoke, Virginia
DAVID SCOTT BENNETT	Widewater, Virginia
DONNA CATHERINE COLE	Baltimore Maryland
PEGGY LEE COWIE	St. Louis, Missouri
RUTH YVONNE COX	Springfield, Pennsylvania
MARY PAIGE CUBBISON	Guatemala, Guatemala
LYDA JACKSON DAGGETT	Marianna, Arkansas
BARBARA LEE DOAN	Fort Monroe, Virginia
LINWOOD NELSON FARLEY	Williamsburg, Virginia
VIRGINIA K. FLESHMAN	Rainelle, West Virginia
DENYS GRANT	Norfolk, Virginia
JOANNE FIELDING JACOBSON	Richmond, Virginia
GEORGE MILTON KVASNIKA, JR.	Petersburg, Virginia
JANE ANNE MATHES	Greenville, Tennessee
ELLEN ARMSTRONG MITCHELL	Glencoe, Argyll, Scotland
WILLIAM FERGUSON MITCHELL	Vero Beach, Florida
RALPH CLEMENT NORTHROP, JR.	Arlington, Virginia
BETTY JOYCE NUNN	Williamsburg, Virginia
GEORGE STERLING OFELT	McLean, Virginia
VIRGINIA JOAN OREN	Long Beach, California
LAWRENCE PHILIP ROESEN	Portsmouth, Virginia
EDGAR HERBERT ROSSHEIM	Portsmouth, Virginia

CYNTHIA JEANNE SANBORN	Denver, Colorado
BETSY PAINTER STAFFORD	Pearisburg, Virginia
NORMA ANNE TAYLOR	Norfolk, Virginia
CLARE VINCENT	Neshanic Station, New Jersey
MARGARET JANE WILHIDE	Roanoke, Virginia
BEVERLY WILSON	Hillsboro, Ohio
LAWSON EUGENE WIMBERLY	Arlington, Virginia

AWARDS AND PRIZES—1957-1958

Algernon Sydney Sullivan Awards: BETSY PAINTER STAFFORD, Pearisburg, Virginia; WILLIAM FERGUSON MITCHELL, Vero Beach, Florida.

James Frederick Carr Memorial Cup: DENYS GRANT, Norfolk, Virginia.

Lord Botetourt Medal: CLARE VINCENT, Neshanic Station, New Jersey.

L. Tucker Jones Memorial Prizes: VIRGINIA GRIFFITH WACHOB, Mt. Lebanon, Pennsylvania; LAWRENCE ANTHONY PECCATIello, Newark, New Jersey.

Educational Foundation Awards: HARRY M. CORNELL, New Rochelle, New York; DENYS GRANT, Norfolk, Virginia.

Chi Omega Award: BETTY JOYCE NUNN, Williamsburg, Virginia.

Wayne F. Gibbs Prize: MICHAEL DAVID ALEMBIK, Portsmouth, Virginia.

Tiberius Gracchus Jones Literary Prize: GRETCHEN SUSAN DEINES, Warren, Virginia.

Lawyer's Title Award: FRANK VAUGHAN EMMERSON, Williamsburg, Virginia.

Seidman and Seidman Tax Award: THOMAS J. MIDDLETON, JR., Williamsburg, Virginia.

Virginia Trust Will Award: JAMES P. MCGEEIN, Williamsburg, Virginia.

Wall Street Journal Prize: DAVID SCOTT BENNETT, Widewater, Virginia.

Society of Cincinnati Prize: BARRY STUART MARTIN, Webster, New York.

William A. Hamilton Prize: OTTO S. LOWE, JR., Cape Charles, Virginia.

MERIT SCHOLARSHIPS AWARDED 1958-1959

Chancellor: MARY E. BEATY, Barboursville, Virginia.

Elisha Parmele: GARRET J. ETGEN, Hackensack, New Jersey.

Joseph Prentis: BENNIE A. CLEMMER, Greensville, Virginia.

George Blow: VIDA C. KENK, Alexandria, Virginia.

Joseph E. Johnston: MALCOLM H. SOUTH, Ware Neck, Virginia.

John Archer Coke: HAWTHORNE A. DAVIS, Quinton, Virginia.

Robert W. Hughes: ANNE M. CHARD, San Francisco, California.

Edward Coles: BARBARA S. SINGER, Montgomery, Alabama.

"King" Carter: JANE A. BOORMAN, Wayne, Pennsylvania.

Corcoran: EVELYN N. STEARNS, Norfolk, Virginia.

Soutter: WILLIAM H. STERLING, Dover, Delaware.

Graves: BARBARA BRANT, Norfolk, Virginia.

John B. Lightfoot: BERTON W. ASHMAN, Virginia Beach, Virginia.

Mary Minor Lightfoot: SALLY WILLIAMS, Dayton, Ohio.

John Winston Price: LOIS I. GURNEE, Hawthorne, New Jersey.

William Arthur Maddox: STEPHEN V. TOPP, Long View, Texas.

Henry Eastman Bennett: ELLEN M. JOHNSON, Oahu, Hawaii.

President Bryan: MARGUERITE A. THORNBLOM, Fayetteville, North Carolina.

Jackson W. Davis: PATRICIA L. EVERARD, Arlington, Virginia.

DEGREES CONFERRED

Regular Session 1957-1958

BACHELORS OF SCIENCE

Ann Caroline Amiss	Norfolk
Sally Jane Applegate	Pine Beach, N. J.
Jane Tyree Ashburn	Alexandria
Norma A. Barnes	Arlington
Hoyt Cambreleng Bonner, Jr.	Kenilworth, Ill.
Robert Morris Burchette	Richmond
Edward Kimball Call	Williamsburg
William Franklin Carver	Norfolk
Richard Franklin Clark	Richmond
Donna Catherine Cole	Baltimore, Md.
George Alexander Conger	Cranford, N. J.
Carter Cunningham Cowles, III	Williamsburg
Frank Swain Cox, Jr.	Warwick
Barbara Carter Cuddihy	Williamsburg
Lyda Jackson Daggett	Marianna, Ark.
Betsy Baker Detmer	Hamilton, Ohio
Donald L. Dew	Stratford, Conn.
Mary Eleanor Dunham	Saltville
Dorothy Watson Dyer	Norfolk, Conn.
Roberta Diane Furbee	Portsmouth
*Edward F. Germain	Glen Cove, N. Y.
Marjorie Ann Gormours	Richmond
Denys Grant	Norfolk
Gretchen Ann Grunenfelder	Arlington
Robert Grady Hardage	Alexandria
Paul Laverne High, Jr.	Arlington
Bert Ross Hindmarsh	Hastings, Pa.
Michael Wayne Hodges	Williamsburg
Virginia Harris Holsinger	Arlington
Joanne Fielding Jacobson	Richmond
Carolyn Joan Jordan	Meadowbrook, Pa
Betty Jane Keel	Portsmouth

*Degree requirements completed February 3, 1958.

Patricia Damon King	Indian Head, Md.
Albert Douglas Kowalak	Portsmouth
George Milton Kvasnicka, Jr.	Petersburg
Walter A. Leyland, Jr.	Hampton
Margita Sarma Licis	Bon Air
Sandra Lee Longfellow	Winston-Salem, N. C.
John Albert Makarczyk	Stratford, Conn.
David Byron McLaughlin	Punxsutawney, Pa.
Carl Ronald Merrill	Hillcrest Heights, Md.
Elizabeth Ann Meyer	Richmond
Sidney A. Mook	Hamden, Conn.
Edward Dardis Mooney	Winsted, Conn.
Lyle R. Mullen	Alexandria
Shirley Watts Noell	Alexandria
Ralph Clement Northrop, Jr.	Arlington
Lawrence A. Peccatiello	Newark, N. J.
John Nelson Peterson	Portsmouth
Carole Ann Redman	Malverne, N. Y.
George Ronald Royer	Williamsport, Pa.
William Hockman Rush	Perkasie, Pa.
Richard Flaherty Sanders	Richmond
Jay Willis Sanner	Robinson, Pa.
Jean Schindler	Arlington
Linda C. Schrader	Haddonfield, N. J.
George Roger Scoville	Arlington
Vincent Glenn Stoneman	Hillsville
John Paul Sudimack	Bayonne, N. J.
John Wesley Vogel	Hudgins
David C. Walton	Hampton
Carole Ann Westphal	Hampton
Margaret Jane Willhide	Roanoke
Lawson Eugene Wimberly	Arlington
Norman Wong	Petersburg
*John Albert Yohe, Jr.	Columbia, Pa.

BACHELORS OF ARTS

Suzanne Elizabeth Aikman
 Hildegard Louisa Albiez

Norfolk
 Bridgeton, N. J.

*Degree requirements completed February 3, 1958.

Michael David Alembik	Portsmouth
*William Carl Althans	Gates Mills, Ohio
*John Hamilton Andrews	Roanoke
Rosalie Littman Antupit	Scarsdale, N. Y.
Adelaide Russell Atkins	Lewes, Del.
*Catherine Mitchell Bache	Richmond
Clay Scott Bailey	Arlington
Robert A. Bales	Warwick
Alan Kendrick Barr	Arlington
Charlene Ann Baumbach	Arlington
Mary Yvonne Beattie	Arlington
Donald Neil Belote	Warwick
Hunter Joseph Benedict	Crewe
David Scott Bennett	Widewater
Mary Elizabeth Berg	Munster, Ind.
Sandra Andrews Berg	West Yellowstone, Mont.
Carolyn Sue Bernard	Norfolk
*Nancy Carolyn Berry	Vienna
Irwin Charles Blacher	Englewood, N. J.
Robert Davis Bowen	Springfield
Elizabeth Alderson Bowman	Warrenton
Robert Dewey Bradley	Pittsfield, Mass.
*Louis Travis Branch	Williamsburg
*John Thomas Brantley	Emporia
Mary Ann Cleveland Breese	Stanton, Tenn.
Johnston Brendel	Tarentum, Pa.
*William W. Brook	Red Bank, N. J.
Cynthia Joan Brooker	Westwood, N. J.
Margaret F. Brooks	Suffolk
Cynthia Alice Burdon	Clarks Green, Pa.
Beverly Scott Burgess	Norfolk
*Daniel Kevin Byrne	Warwick
David Sumner Camp	Brookside, N. J.
Betty Ann Carroll	Norfolk
*Roy Fultz Carter	Buckroe Beach
William Thomas Carter	Richmond
Carole Frederica Chase	Balboa Heights, Canal Zone
John Thomas Chewning, Jr.	Fredericksburg

*Degree requirements completed February 3, 1958.

Degrees Conferred

303

Lucy Ann Chrisman	Binghamton, N. Y.
Jack T. Christie	Virginia Beach
Barbara Elizabeth Churchman	Mendenhall, Pa.
Patsy Jane Clark	Richmond
Peter Vance Clark	Cincinnati, Ohio
Barbara Jane Clarke	Ho-Ho-Kus, N. J.
Richard Allan Clay	Norfolk
Thomas Avery Cochran, Jr.	Dallas, Texas
Edward Gavin Connor	Arlington
*Dudley Edward Connors	Williamsburg
Virginia Lee Coomes	Abingdon
Harold Miller Cornell, Jr	New Rochelle, N. Y.
John Francis Corrigan	Williamsburg
*Dino Angelo Costas	Williamsburg
Richard Thomas Couture	Portsmouth
Julius Philip Covington	Lynchburg
Peggy Lee Cowie	St. Louis, Mo.
Evelyn Lorraine Cox	Virginia Beach
Ruth Yvonne Cox	Springfield, Pa.
Mary Paige Cubbison	Guatemala
Sue Preston Davis	Wise
Carolyn Stewart Day	Hampton
Janet Elizabeth Day	Arlington
Linda Ann Dean	Arlington
Peter George Decker, Jr.	Norfolk
Gretchen S. Deines	Warren
Frederick Baker Devitt, Jr.	Williamsburg
Richard Donald DeWald	Williamsburg
Ellen Carter Dietrich	Anchorage, Alaska
Eugene Thaddeus Dietrich	Williamsburg
Joyce W. Dillard	Williamsburg
Jeffrey C. Dixon	Rye, New York
*Barbara Lee Doan	Ft. Monroe
Robert Jennings Doughtie	Ridgewood, N. J.
Mary Ann Dyekman	Fontainebleau, France
Beatrice Cunningham Easton	Ft. Eustis
Alice Jean Eck	Struthers, Ohio
Frank Harvey Elliott	Chase City

*Degree requirements completed February 3, 1958.

Helen Young English	Arlington
Elizabeth Hancock Evans	Alexandria
Nancy Jean Fehn	Basking Ridge, N. J.
Algie Robert Ferguson	Newsoms
Walter Engle Fillman	Pottstown, Pa.
Bruce Dale Finch	Richmond
Frank Anderson Fleming	Phoebus
Virginia K. Fleshman	Rainelle, W. Va.
Mary Bolling Fooks	Columbus, Ga.
Frances Rebecca Frost	Roanoke
Paul Leonard Gardner	Los Angeles, Cal.
Gayle McCoy Garrison	Norfolk
Frederick Preyer Gibbs	Canton, Ohio
Arthur Barry Gingold	Jackson Heights, N. Y.
Bernard Goldstein	Galax
John Roth Graham	Bloomfield Hills, Mich.
William Oden Hamblen	Cambridge, Md.
Elizabeth Campbell Harris	Richmond
Sue Perkins Harvey	Kilmarnock
Ralph Harold Henkle, Jr.	Berkeley, Cal.
Chadwick Weatherford Henry	Alexandria
Durwood Horward Herron	Shaker Heights, Ohio
Paula Heslin	Ashburnham, Mass.
*Lloyd Walter Hicks	Hampton
Douglas Barry Hill	Sudbury, Mass.
Neil Scherer Hock	Norfolk
Barbara Lynn Holcomb	Sydnersville
Eleanor Frances House	Trenton, N. J.
Keren Howard	New Orleans, La.
Theodore Roosevelt Hunnicutt, Jr.	Norton
Betty Lee Kenny Hunt	Gloucester
Ellen Anne Hunter	Portsmouth
Mary Dianitia Hutcheson	Boydton
Thomas Beal Israel, Jr.	Laurel, Md.
Robert Edward James	Portsmouth
Richard Crain Jarman	Arlington
Lois Priscilla Jenner	South Duxbury, Mass.
Thomas Theodore Johnson	Brooklyn, N. Y.

*Degree requirements completed February 3, 1958.

Ellen Nichols Johnston	Washington, D. C.
Rita Kalis	Portsmouth
*Alan Stanley Kalkin	Williamsburg
Raymond C. Kell	West Chester, Pa.
Virginia Marilyn Kendall	Southampton, N. Y.
William Howard Kennedy	Glendora, Cal.
*Francis van Tambacht Kernan	Williamsburg
John Clark Kerr, Jr.	Montclair, N. J.
Roxane Elaine Kieffer	Anchorage, Alaska
Helen Barrett King	Rescue
Susan Darlington Knott	Sioux City, Iowa
Frank Allen Lane	Coral Gables, Fla.
William J. Lane	New Paltz, N. Y.
Arlene Marjorie Laurent	Rahway, N. J.
Walter Lewis Lawrence, II	Richmond
Thomas Gordon Lightner	Gainesville
Lina Linton	Camp Hill, Pa.
Nicky Macy	Charlotte, N. C.
Eve Rogers Mapp	Machipongo
Merrick Clayton Marmarosh	Arlington
Jane Anne Mathes	Greenville, Tenn.
Kenneth Raymond Matthews	Grimstead
Georgia Ann Maurer	Arlington
William Henry McCray	West Point
Alan B. Miller	Brooklyn, N. Y.
*Edward Morris Miller	Bronx, N. Y.
Elizabeth Priest Mitchell	Jackson, Mich.
Ellen Armstrong Mitchell Glencoe	Argyll, Scotland
William Ferguson Mitchell	Vero Beach, Fla.
Lila Susan Moore	Houston, Texas
Gail Marie Morgan	Norfolk
*Howard Peyton Morris, Jr.	St. Louis, Mo.
Martha LaNette Morrison	Harrisonburg
Elizabeth Bruce Morton	Virginia Beach
John F. Morton, Jr.	New Orleans, La.
Nancy Nicholas Mowlds	Pittsburgh, Pa.
Margaret Frances Mullins	Highland Springs
Marsha Ann Murphy	Norfolk

*Degree requirements completed February 3, 1958.

Virginia Erna Neeld	Trenton, N. J.
Peter Neufeld	New York, N. Y.
Clyde Vernon Nordstrom, Jr.	Exmore
Carol Susann Norstrom	Mercer Island, Wash.
Nancy Ann Norton	Langley A. F. B.
Betty Joyce Nunn	Williamsburg
Nancy Carol Obert	Brooklyn, N. Y.
Patricia Ann O'Connell	Alexandria
Virginia Joan Oren	Long Beach, Cal.
Irvin Hutton Ornduff	Abingdon
Alice Louise Osborn	Falls Church
Michael E. Overton	Portsmouth
Betty Bowser Pauls	Williamsburg
Sidney F. Pauls	Williamsburg
Ralph J. Payton	Jackson Heights, N. Y.
Henry Richard Peake	Norfolk
Alice P. Perry	Williamsburg
Ruth Evangeline Peterson	Sayville, N. Y.
Samuel Hudgins Phillips, Jr.	Warwick
James E. Pittman, Jr.	Wakefield
Edward T. Plitt, Jr.	Lovettsville
Jeanne Polizos	Norfolk
Alta Frankie Powell	Midlothian
Andrew Foster Powell	Sao Paulo, Brazil
Ann Lloyd Powell	Richmond
David Lee Powell	Staunton
Malvern Lee Powell, Jr.	Newport News
Donival Wayne Pumphrey	Vienna
Eva Wade Ramsey	Rocky Mount
Madeline Gray Rasmussen	Brooklyn, N. Y.
Howard Henry Rice	Campbellsville, Ky.
Anne Michaux Richardson	Arlington
Murray A. Roberts	Warwick
Lawrence Phillip Roesen	Portsmouth
James Kenneth Rosenbaum	Salisbury, N. C.
Martha Ann Rowe	Williamsburg
Dixie Belle Russell	Parksley
Cynthia Jeanne Sanborn	Denver, Colo.
Barbara Anne Saunders	Shelbyville, Tenn.
Sidney Elizabeth Saunders	Waynesboro

Carolyn Warfield Scheele	Arlington
Marjory Corley Schoonover	Kensington, Md.
Jay Glennon Schreiber	Kirkwood, Mo.
Gretchen Baird Sedam	Richmond
Ralph O. Shankle	Hampton
Mary Aleese Shaw	Arlington
Charles Mills Sheldon	Williamsburg
David J. Shepardson	Pittsfield, Mass.
Alan Clarke Sherman	Marshfield, Mass.
Edgar Simpson Shine, Jr.	Richmond
Ann Elizabeth Shoosmith	Richmond
James Alfred Shuster	Homer City, Pa.
Donald M. Smith	Portsmouth
Melissa Ann Minor Smith	Brewster, N. Y.
Robert R. Somerville	Williamsburg
Sally Gearhart Somerville	Williamsburg
Barbara Dawn Spaight	Colonial Heights
*Jared Walter Sparks	Rockford, Ill.
Pollyann Stadel	Reedsburg, Wis.
Betsy Painter Stafford	Pearisburg
Barbara Lynn Stanford	Altadena, Cal.
Margaret Bruce Stewart	Lancaster, Pa.
Robert C. Stone	Chenango Forks, N. Y.
William Ward Stone	Vallejo, Cal.
David Fletcher Sweeney	Hamden, Conn.
Norma Anne Taylor	Norfolk
Harold Olai Telstad	Hampton
David C. Titus	Villa Nova, Pa.
William F. Tucker	Williamsburg
Julia E. Vakos	Virginia Beach
Mary Jean Ventura	Portsmouth
Clare Vincent	Neshanic Station, N. J.
Virginia Griffith Wachob	Mount Lebanon, Pa.
Ann Carol Walker	Williamsburg
Janice Mildred Walker	Cincinnati, Ohio
Gerald B. Wallin	Chilhowie
Denis Kent Watkins	Centralia, Ill.
Judith Pennel Watson	Youngstown, Ohio

*Degree requirements completed February 3, 1958.

Judith Allen Watts	Warwick
Alice Gwendolyn Weir	Stafford
David Hunter Weston, Jr.	Staunton
John Canty Weston	Fitchburg, Mass.
Carol Sue Williams	Wise
Beverly Wilson	Hillsboro, Ohio
Jacqueline Wilson	Ft. Clayton, Canal Zone
Mary Alice Windle	Purcellville
Beverly Ann Winfield	Stony Creek
*Charles Wallace Wood	Arlington
*George Donald Wood	Warwick
Sybil Lawrence Wrenn	Charlotte, N. C.
Jean Stewart Zwicker	Alexandria

BACHELORS OF CIVIL LAW

Norman Arthur Crandell	Williamsburg
Philip Gerald Denman	Flushing, N. Y.
Frank Vaughan Emmerson, Jr.	Williamsburg
James Asbury Leftwich	Bedford
Otto Lowe, Jr.	Cape Charles
James Patrick McGeein	Williamsburg
John Edwin Messick	Williamsburg
Thomas Joseph Middleton, Jr.	Herndon
Janet Rose Sumpter	Rose Hill
*Robert Charles Vaughan	Wellesley, Mass.

MASTERS OF EDUCATION

Lawrence Bigelow Bond B.S., University of Richmond, 1955	Williamsburg
Vera Marie Bryant B.S., Longwood College, 1948	Boykins
Charles R. Coates B.A., Lake Forest College, 1955	Denbigh
*Lola Brown Earl B.S., Radford College, 1954	Yorktown

*Degree requirements completed February 3, 1958.

Degrees Conferred

309

Jack Sweeney Frost B.S., The Alabama Polytechnic Institute, 1949	Carrollton
Frank Bernard Hellman B.S., New York University, 1932	Portsmouth
*Pryor Wilson James B.S., N. C. State College of Agriculture and Engineering, 1957	Richmond
Patricia King B.A., University of North Carolina, 1952	London Bridge
Dixie W. Moore A.B., College of William and Mary, 1936	Norfolk
*Lawrence Lee Oldaker B.S., Appalachian State Teachers College, 1954	Norfolk
*Homer Wilday, II B.S., State University of New York, 1952	Seward, N. Y.

MASTERS OF ARTS

George Anthony Cicala B.S., College of William and Mary, 1956	Bronx, N. Y.
Donna Lee Erdahl B.A., American University, 1956	Washington, D. C.
*Sung Yen Feng B.S., National Taiwan University, 1952	Taipei, Taiwan, Formosa
William Irvine Jack A.B., Alleghany College, 1957	Titusville, Pa.
Ernest Coolidge Ladd B.S., University of New Hampshire, 1950	Fredericksburg
Clyde Leonard MacKenzie, Jr. B.S., University of Massachusetts, 1955	Edgartown, Mass.
Richard Burton Reed B.A., Bucknell University, 1954	Indianapolis, Ind.
Emmett Garnett Shuffiebarger B.A., Emory and Henry College, 1952	Martinsville

*Degree requirements completed February 3, 1958.

Summer Session 1958

BACHELORS OF SCIENCE

Raymond Campbell Colley	Fredericksburg
Edwin Carter Nettles, Jr.	Wakefield
Benjamin James Sel	Englewood, N. J.
Thomas Eddy Sydnor	Williamsburg

BACHELORS OF ARTS

James Shank Angle	Williamsburg
Nancy Carper Bowen	Springfield
Mildred Hall Clarke	Wake
Robert Borden Cromwell, Jr.	Norfolk
Jean Dunn	Daytona Beach, Florida
Arthur Ronald Friend	Williamsburg
Joan Hager Gatlin	Arlington
J. Marvin Gibson	Williamsburg
Roland Henson Harris, Jr.	Williamsburg
John Thomas Herring, Jr.	Suffolk
Wiley Campbell Herring	Bent Mountain
Jessie Lucinda Howbert	Roanoke
George Crallé Hurt, Jr.	Blackstone
Thomas E. Kanas	Windber, Pa.
Vernon Calvin Keesee	Altavista
John Benton Leffel, Jr.	Roanoke
Patricia Amole Megale	Williamsburg
Melvin Reed Mercer	Topping
Robert Sinclair Northcott	Onancock
James E. O'Brien	Williamsburg
Helen Mae Padgett	Hampton
Frederick Standish Colburn Perry	Cleveland, Ohio
John Joseph Popular, II	Williamsburg
Ralph Alan Roberts	York, Maine
Robert Blair Thomas, Jr.	Harrisburg, Pa.
Thomas Watson Wharton	Williamsburg

MASTERS OF EDUCATION

Garland C. Ames, Jr. A.B., College of William and Mary, 1950	Norfolk
Mildred Hall Carter A.B., College of William and Mary, 1932	Williamsburg
Walter Bernall Clay A.B., Lynchburg College, 1950	Norfolk
Fred Basye Corr B.S., Richmond College, 1926	Gloucester
Foye Pritchard Foskey B.S., East Carolina College, 1955	Norfolk
Lottie Dixon Garrett B.S., Longwood College, 1954	Norfolk
Binford Campbell Graham B.S., Richmond Professional Institute, 1953	Virginia Beach
Kenneth Earl Griswold B.S., North Dakota Agricultural College, 1950	Mathews
Offa Lou Harris Jenkins A.B., Greensboro College, 1938	Bayside
Grace Nichols Johnson B.S., Radford College, 1937	Norfolk
Ruby Cecil Jones A.B., College of William and Mary, 1939	Danville
Robert Arlen Lusk B.S., College of William and Mary, 1956	Williamsburg
Anthony J. Mancuso A.B., George Washington University, 1948	Portsmouth
James Richard Matthews A. B., University of Richmond, 1949	Vernon Hill
Nicholas Anthony Mediatore, Jr. A.B., Hofstra College, 1957	Williamsburg

Degrees Conferred

313

Joseph Lawrence Megale B.S., College of William and Mary, 1953	Williamsburg
Julia Mae Murphy B.S., Madison College, 1941	Windsor
Reba J. Newman B.S., Longwood College, 1944	Portsmouth
Sarah Powell Richards A.B., College of William and Mary, 1956	Denbigh
Nicholas John Scallion A.B., Washington College, 1952	Hampton
Gerard Eldridge Shelton A.B., College of William and Mary, 1947	Portsmouth
Philip Bernard Tankard B.S., Randolph-Macon College, 1950	Bridgetown
William Ellis Waters A.B., University of North Carolina, 1950	Roanoke Rapids, N. C.

MASTERS OF ARTS

Margaret Scott Harrison A.B., Smith College, 1932	Hampton
W. Graham Millar B.S., State University of New York, College for Teachers at Buffalo, 1955	Buffalo, N. Y.

ENROLLMENT

Session 1958-1959

	<i>Men</i>	<i>Women</i>	<i>Totals</i>
Freshmen.....	448	386	834
Sophomores.....	233	214	447
Juniors.....	169	185	354
Seniors.....	170	166	336
BCL Candidates.....	51	...	51
Masters Candidates.....	22	4	26
Unclassified.....	21	20	41
	<hr/>	<hr/>	<hr/>
	1112*	975	2087*

*Less duplications—First year B. C. L. candidates who are also candidates for the Bachelor of Arts.

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Session 1958-1959

	<i>Men</i>	<i>Women</i>	<i>Totals</i>
Alabama.....	2	5	7
Arizona.....	1	0	1
Arkansas.....	1	0	1
California.....	14	7	21
Colorado.....	2	1	3
Connecticut.....	30	5	35
Delaware.....	9	3	12
District of Columbia.....	12	6	18
Florida.....	18	7	25
Georgia.....	2	5	7
Illinois.....	16	6	22
Indiana.....	3	2	5
Iowa.....	1	1	2
Kansas.....	3	1	4
Kentucky.....	6	3	9
Louisiana.....	0	4	4
Maine.....	3	3	6

Geographical Distribution of Students 315

	<i>Men</i>	<i>Women</i>	<i>Totals</i>
Maryland.....	35	16	51
Massachusetts.....	26	5	31
Michigan.....	11	9	20
Minnesota.....	4	2	6
Mississippi.....	0	1	1
Missouri.....	3	1	4
Montana.....	0	1	1
Nebraska.....	1	0	1
New Hampshire.....	2	0	2
New Jersey.....	82	40	122
New Mexico.....	2	1	3
New York.....	123	49	172
North Carolina.....	6	4	10
Ohio.....	28	14	42
Oklahoma.....	2	0	2
Oregon.....	0	1	1
Pennsylvania.....	95	40	135
Rhode Island.....	3	4	7
South Carolina.....	6	2	8
Tennessee.....	4	3	7
Texas.....	9	9	18
Vermont.....	2	0	2
Virginia.....	519	700	1219
Washington.....	2	0	2
West Virginia.....	7	3	10
Wisconsin.....	6	2	8
Canada.....	2	0	2
England.....	4	1	5
France.....	0	3	3
Hawaii.....	0	3	3
Philippine Islands.....	1	1	2
Puerto Rico.....	2	0	2
Guam.....	1	0	1
Germany.....	0	1	1
Turkey.....	1	0	1
Totals.....	1112	957	2087

Summer Session 1958

	<i>Men</i>	<i>Women</i>	<i>Totals</i>
Alabama.....	1	0	1
Alaska.....	0	1	1
Arizona.....	1	0	1
California.....	1	2	3
Connecticut.....	3	3	6
Delaware.....	0	2	2
District of Columbia.....	1	1	2
Florida.....	1	3	4
Georgia.....	1	1	2
Illinois.....	3	3	6
Maine.....	1	0	1
Maryland.....	3	6	9
Massachusetts.....	5	2	7
Michigan.....	2	0	2
Montana.....	0	1	1
New Hampshire.....	1	0	1
New Jersey.....	8	3	11
New York.....	15	4	19
North Carolina.....	3	4	7
Ohio.....	6	4	10
Pennsylvania.....	14	3	17
South Carolina.....	1	0	2
Tennessee.....	0	3	3
Texas.....	2	2	4
Vermont.....	1	0	1
Virginia.....	284	391	675
Washington.....	0	1	1
West Virginia.....	0	2	2
Wisconsin.....	1	0	1
Hawaii.....	0	1	1
Puerto Rico.....	0	1	1
Korea.....	0	1	1
Totals.....	359	445	804

INDEX

	PAGE
Absence from Classes and from College.....	62-63
Absence Probation.....	63-64
Accountancy.....	112
Activities, Extra-Curricular.....	68-81
Administration, Offices of.....	19-20
Admission.....	79-83
Advanced Credit and Placement.....	81-82
Alumni, The Society of the.....	72
Ancient Languages.....	98-103
Anthropology.....	248
Applied Music, Courses in.....	217
Archaeology.....	103
Architecture.....	155
Art.....	155-159
Astronomy.....	233
Athletics.....	56-57
Barrett Hall, Kate Waller.....	45
Biology.....	104-109
Board.....	75-76
Board of Visitors.....	18
Books, Cost of.....	77
Bookstore, College.....	77
Botany.....	104
Brafferton, The.....	44
Brown Hall.....	45
Bryan Memorial Hall.....	45
Buildings and Grounds.....	44-45
Business Administration.....	110-118
Business and Government.....	118
Business and Law.....	117
Cafeteria.....	45, 75
Calendar.....	2
Calendar, College.....	7-8
Cary Field Park.....	45
Cashing Students' Checks.....	74-75
Certification of Teachers.....	131-132
Chandler Hall.....	45
Chemistry.....	119-122
Classical Civilization.....	102-103
Classification of Students.....	61
College Building (Sir Christopher Wren Building).....	44

	PAGE
College News Bureau.....	270
College Woods.....	44
Committees of the Board of Visitors.....	18
Committees of the Faculty.....	41-43
Concentration.....	89-90
Concerts.....	54
Contents.....	3-4
Continuance in College.....	62
Counseling.....	70
Course, Types and Numbers.....	98
Credit from Other Institutions.....	84
Dean's List.....	60
Debate and Forensics.....	53-54
Degrees.....	84
Degrees Conferred, Regular Session, 1957-1958.....	300-310
Degrees Conferred, Summer Session, 1958.....	311-313
Dining Hall, College.....	45, 75
Discipline.....	66-68
Distribution Requirements.....	86-87
Divisions of Instruction.....	97
Dormitories for Men.....	45
Dormitories for Women.....	45
Dramatic Art, Courses of Instruction in.....	155-159
Economics.....	123-129
Education.....	130-145
Employment.....	293
Endowment Funds.....	280
Engineering Graphics.....	199
English Language and Literature.....	147-153
Enrollment—Session 1958-1959.....	314
Entrance, Subjects Accepted for.....	80
Evening College.....	274-275
Ewell Hall.....	44
Examinations.....	64-65
Exhibitions.....	54
Expenses.....	73-78
Extension Courses.....	143-146
Faculty.....	22-35
Fee, Academic Costume.....	78
Fee, Diploma.....	78
Fee, Laundry.....	75
Fee, Room Change.....	78
Fee, Room Reservation.....	78
Fees, Explanation of.....	75-78
Fees and Expenses, General Information.....	73-75

Index

319

	PAGE
Financial Aid	284-296
Fine Arts	155-159
Fine Arts Building	45
Fraternities	51
Fraternity Lodges	45, 51
French	202-205
Freshmen Scholarships	285-286
Friends of the College	280
Geographical Distribution of Students, 1958-1959	314-315
Geographical Distribution of Students—Summer Session 1958	316
German	205-207
Gifts and Bequests	281-283
Government	160-166
Grading, System of	85
Graduate Project and Thesis Courses	93-96
Graphics	199
Greek	101-102
Gymnasium, George P. Blow Memorial	45
Health Service	69-70
Health Service Staff	40
History of the College	9-13
History	167-173
Home Economics	174-176
Honor Awards	297-299
Honor Societies	50-51
Honor System	14-17
Honors Program	91-93
Humanities, The Division of the	97
Infirmary, David J. King	45, 69
Institute of Early American History and Culture	265-266
Instruction, Officers of	22-35
Insurance, Courses in	113
Interest Groups	50-51
Italian	207
James Goold Cutler Foundation	269
Jefferson Hall	45
Jurisprudence (Law)	177-194
Landrum Hall	45
Latin	98-101
Law	177-194
Lectures	54

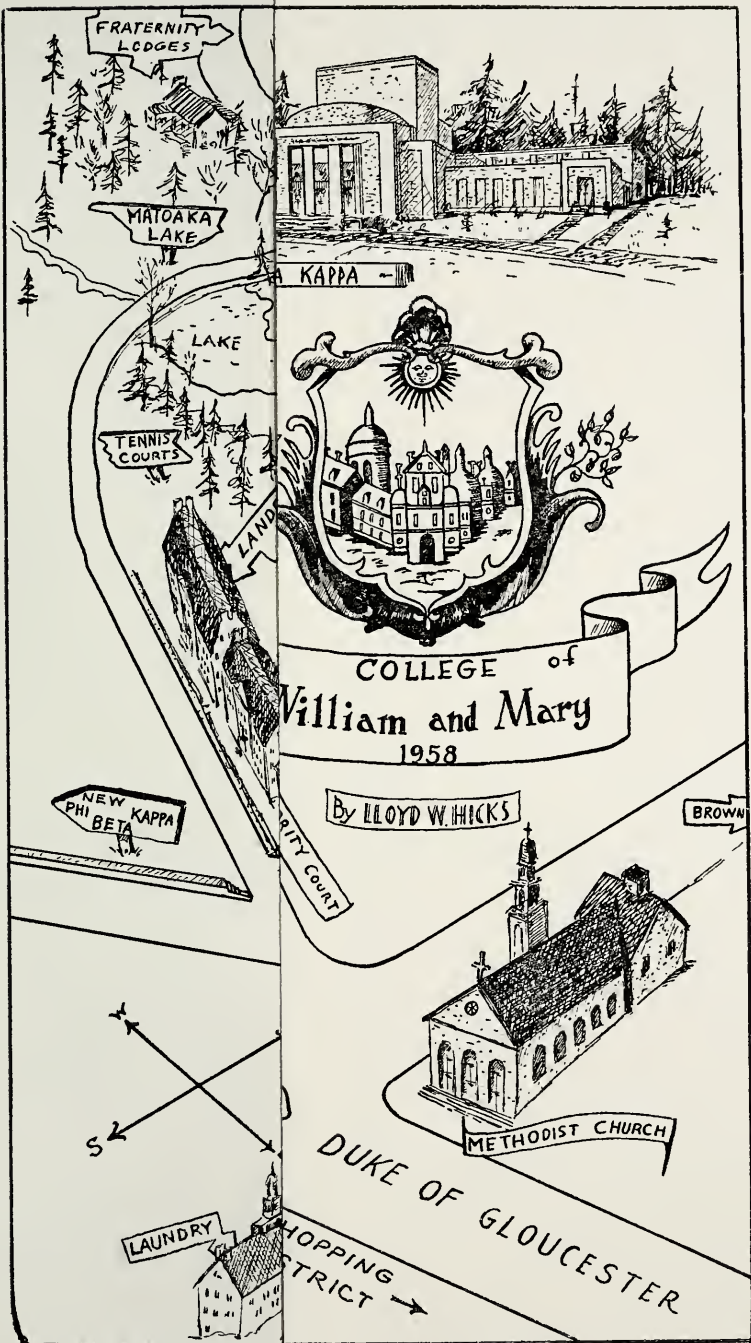
	PAGE
Library, College.....	44, 45-47
Library Staff.....	40
Loan Funds.....	284, 293
Marketing.....	113
Marshall-Wythe Hall.....	44
Marshall-Wythe School of Government and Citizenship.....	269
Marshall-Wythe School of Law.....	177-194
Marshall-Wythe Symposium.....	269
Massachusetts Institute of Technology, Program in Cooperation with.....	259
Mathematics.....	195-199
Matoaka Park (College Woods).....	44
Medical Attention.....	69, 229, 232
Medical Staff.....	40
Military Science and Tactics.....	200-201
Modern Languages.....	202-210
Monroe Hall.....	45
Music.....	211-218
Musical Activities.....	55
Natural Sciences, The Division of.....	97
Non-Virginia Students, Tuition and Fees.....	75, 77
Norfolk Division of the College.....	278-279
Officers of the College.....	18
Officers of Administration.....	19-20
Officers of Administration—Norfolk and Richmond Branches.....	21
Officers of Instruction.....	22-35
Old Dominion Hall.....	45
Painting.....	155
Phi Beta Kappa Society.....	49-50
Philosophy.....	219-222
Photography.....	157
Physical Education for Men.....	223-229
Physical Education for Women.....	230-232
Physics.....	233-238
Placement.....	70-71
Pre-Dental Program.....	253-257
Pre-Engineering Program.....	258-260
Pre-Forestry Program.....	263-264
Pre-Medical Program.....	253-257
Pre-Professional Programs.....	253-264
President's House, The.....	44
Prizes.....	297-299

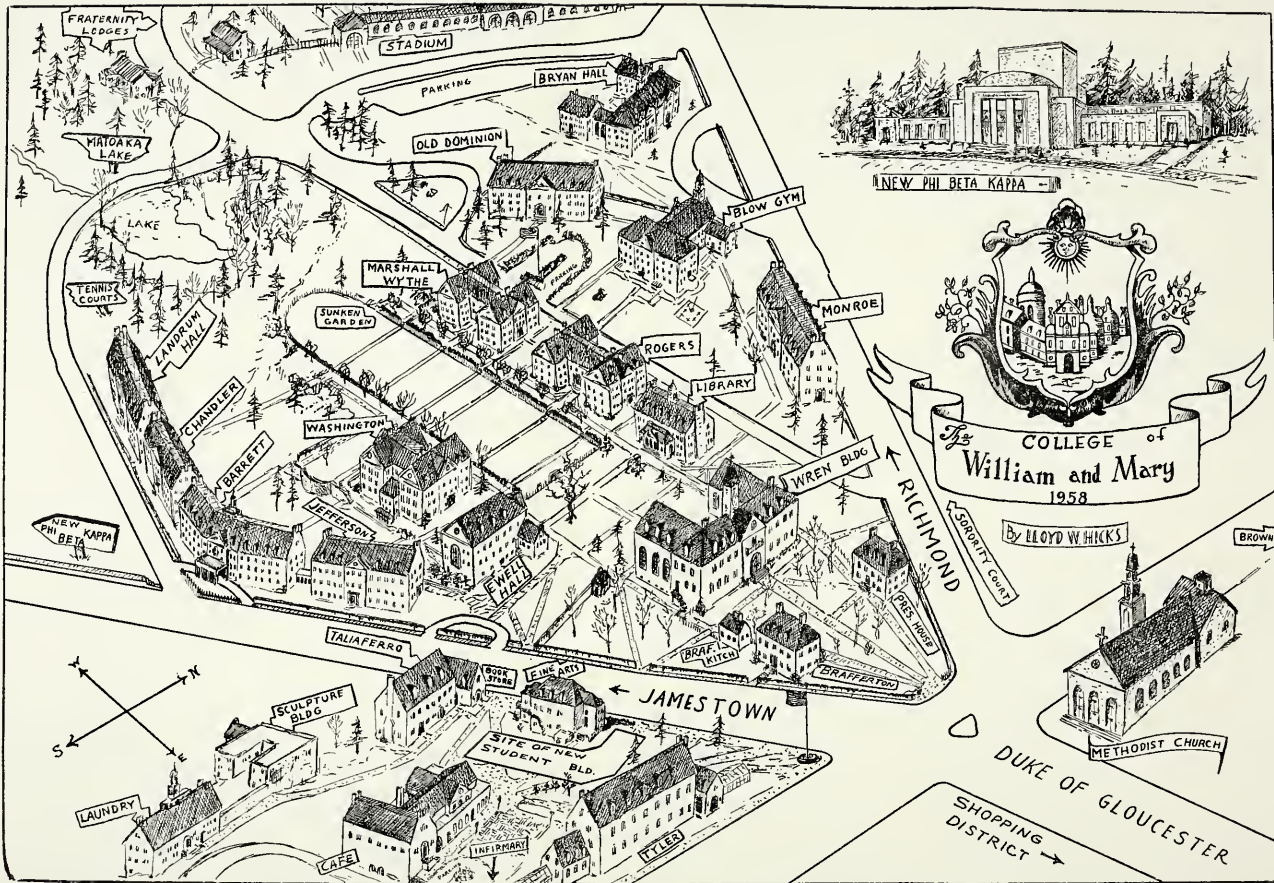
Index

321

	PAGE
Program, Student's	60-61
Psychology	239-243
Public Performances and Parties	68
Publications, Student	52
Quality Points	85
Registration, Changes in	61
Regulations, College	66-68
Regulations on Withdrawal for Military Service	62
Religious Life	56
Reports to Parents	60
Requirements for Degrees	84-96, 180-181
Residence	65
Residence Requirements for Degrees	86
Richmond Professional Institute	276-277
Rogers Hall	44
Room Deposits	78
Room Rent	76
Reserve Officers' Training Corps	58-59
Russian	207-208
Scholarships	284-296
Sculpture	155
Secretarial Science	244-245
Shorthand	244
Social Science, The Division of the	97
Social Work	250
Sociology	246-250
Sororities	51-52
Spanish	208-210
Special Privileges	60-61
Speech, Courses in	251-252
Stagecraft	155
Statistics, Instruction in	125, 197, 249
Students' Accounts Due	73
Student Employment	293-294
Student Government	49
Students Not from Virginia	75, 77
Summer Session	271-273
Sunken Garden	44
Supervision of Students	60-68
Supervisors of Teacher Training	36-40
Taliaferro Hall	45
Teacher Education, The Division of	97

	PAGE
Theatre, Courses in.....	155
Theatre, The William and Mary.....	52-53
Trinkle Hall.....	45
Tuition.....	75, 272, 275
Tyler Hall.....	45
Typewriting.....	244-245
Virginia Fisheries Laboratory.....	267-269
Washington Hall.....	44
Women Students' Cooperative Government Association.....	47, 66
Withdrawal from College.....	61-62
Work-Study Plan.....	293-294
Zoology.....	104





NEW PHI BETA KAPPA



COLLEGE of
William and Mary
1958

By LLOYD WHICKS

SORORITY COURT



METHODIST CHURCH

DUKE OF GLOUCESTER
SHOPPING DISTRICT →

