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Bridgewater State College

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STATE COLLEGE at BRIDGEWATER 1967—1969

The Commonwealth of Massachusetts
Series 3, Volume 6, Number 1

For further information write to:         Director of Admissions
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                                       Bridgewater, Mass.  02324
STATE COLLEGE

at

BRIDGEWATER

The Commonwealth of Massachusetts

DIVISION OF STATE COLLEGES
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FIRST SEMESTER

September 5, 6, 7, 8, 1967
Registration - Programming - All transfers

September 11, 1967
Department Chairmen Meeting

September 12, 1967
Faculty Meeting

September 13, 14, 1967
Freshmen - Registration - Programming

September 14, 1967
Sophomore - Registration - Programming

September 15, 1967
Junior & Senior - Registration - Programming

September 18, 1967
Opening of Academic Year

September 26, 1967
Convocation (Third Hour)

October 12, 1967
Columbus Day

November 10, 1967
End of first quarter

November 22, 1967 (noon)
Thanksgiving recess

November 27, 1967
Classes Resume

December 19, 1967
Christmas Recess

January 3, 1968
Classes Resume

January 12, 1968
Classes Suspend

January 15, 1968
Reading day - New transfers register

January 16, 1968
First Semester Examinations begin

January 24, 1968
First Semester Examinations end

January 25, 1968 through January 31, 1968 Intersemester holidays

January 31, 1968
Old transfers register
SECOND SEMESTER

February 1, 1968
February 2, 1968
February 5, 1968
February 22, 1968
March 29, 1968
April 11, 1968
April 22, 1968
May 21, 1968
May 24, 1968
May 27, 1968
May 27, to June 4, 1968
May 28, 1968 to June 7, 1968
May 30, 1968
June 7, 1968
June 9, 1968

Junior & Senior Registration - Programming
Sophomore & Freshmen Registration - Programming
Classes resume
Washington's Birthday
End of third quarter
Spring recess
Classes resume
Honors convocation (fourth hour)
Classes suspend
Reading Day - Freshmen, Sophomores & Juniors
Senior Examinations
Freshmen, Sophomore & Junior Examinations
Memorial Day
Close of Academic Year
Commencement Day

ACADEMIC CALENDAR 1968 - 1969

FIRST SEMESTER

September 3, 4, 5, 6, 1968
September 9, 1968
September 10, 1968
September 11, 12, 1968

Registration - Programming - All transfers
Department Chairmen Meeting
Faculty Meeting
Freshmen - Registration - Programming
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May 26, 1969
May 26, to June 3, 1969
May 27, to June 6, 1969
May 30, 1969
June 6, 1969
June 8, 1969

Good Friday
Spring recess
Classes resume
Honors Convocation (Fourth Hour)
Classes suspend
Reading Day - Freshmen, Sophomores & Juniors
Senior Examinations
Freshmen, Sophomore & Junior Examinations
Memorial Day
Close of Academic Year
Commencement Day
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Robert Allen Briggs, A.B., A.M. (Boston University), Assistant Professor of German.

John Noel Chandler, M.A. (Chicago University), Assistant Professor of History.

Robert Anthony Coler, B.A. (Champlain College), M.A. (Albany State College for Teachers), Ph.D. (Syracuse University), Assistant Professor of Zoology.

Anthony Vincent DeLeo, A.B., A.M., Ed.M. (Boston University), Assistant Professor of Education.

Harold DeLisle, B.S. (Massachusetts State College at Bridgewater), M.A. (Boston College), Assistant Professor of English.

Karen Van Lissel Du Bin, A.B. (Parsons College), M.A. (University of Chicago), M.A. (University of Michigan), Ph.D. (Columbia University), Assistant Professor of Speech and Drama.

Henry Joseph Fanning, Jr., B.S. (Boston College), Ed.M. (Massachusetts State College at Bridgewater), Assistant Professor of Education.

Ralph Sanborn Fellows, A.B. (Tufts University), M.A., Ph.D. (Boston University), Assistant Professor of Geology.

Dorothy Rose Ferry, Mus.B., M.Mus.Ed. (Boston University), Assistant Professor of Music.

James Frank Francis, A.B. (Brown University), Ed.M., Ed.D. (Boston University), Assistant Professor of Education.

Robert Friedman, A.B., A.M. (Brooklyn College), Assistant Professor of Speech and Drama.

Marilyn Hayden Furlong, B.S. (Massachusetts State College at Bridgewater), M.A. (Clark University), Instructor of Geography.
Vincent Harold Gannon, B.S. (Boston University), M.A.T. (Harvard University), Assistant Professor of Music.

Joseph Matthew Giannini, B.A., M.A. (Boston University), Assistant Professor of Modern Foreign Languages.

Maude C. L. Greene, A.B., M.A. (University of Alabama), Ph.D. (University of Virginia), Assistant Professor of Sociology.

Marjorie Elizabeth Hayward, B.M. (New England Conservatory of Music), Ed.M. (Massachusetts State College at Bridgewater), Assistant Professor of Music.

Charles W. Howie, Jr., B.S., M.S. (University of Rhode Island), Assistant Professor of Botany.

Achille Adrien Joyal, A.B. (St. Mary's University), A.M. (New York University), Assistant Professor of Philosophy.

Donald Lundeen Keay, B.S. (Massachusetts State College at Bridgewater), M.A.T. (Harvard University), Assistant Professor of History.

Paul F. Kelley, B.S., Ed.M. (Massachusetts State College at Bridgewater), Assistant Professor of Education.

John Joseph Kent, B.S., Ed.M. (Massachusetts State College at Bridgewater), Assistant Professor of Education.

Thomas Allan Knudson, B.S. (Wisconsin State College, LaCrosse), M.S. (Springfield College), Assistant Professor of Physical Education.

Katherine Frances Lomax, A.B. (Brown University), M.A.T. (Boston College), Assistant Professor of English.

Michael Makokian, A.B. (Rhode Island College), A.M. (Rutgers University), Assistant Professor of Mathematics.

Vahe M. Marganian, B.A. (San Francisco State College), M.S., Ph.D. (Clemson University), Assistant Professor of Chemistry.

Walter Arthur Morin, A.B. (Merrimack College), M.S. (Boston College), Ph.D. (Clark University), Assistant Professor of Biology.

Rita Kohler Nadal, B.S. (Massachusetts State College at Framingham), Ed.M. (Boston University), Assistant Professor of Education.

James Keron Nerney, A.B. (University of Notre Dame), M.A. (Boston College), Assistant Professor of English.
Mary Noel, A.B. (Radcliffe College), M.A., Ph.D. (Columbia University), Assistant Professor of History.

Arthur Carlisle Oien, B.A. (Concordia College), M.A. (University of Minnesota), Assistant Professor of History.

Joseph Michael Pagano, B.S. (Massachusetts Institute of Technology), M.S. (Boston College), Assistant Professor of Chemistry.

Patricia Ann Phillips, B.S. (Massachusetts State College at Bridgewater), Ed.M. (Boston University), Assistant Professor of Physical Education.

Willis Norman Pitts, Jr., A.B. (Talladega College), M.A., Ph.D. (University of Michigan), Assistant Professor of Speech and Drama.

Douglas L. Reed, B.S. (Indiana University), M.B.A. (Texas Technological College), Assistant Professor of Economics.

Maurice Rotstein, B.S. (City College of New York), M.A., Ph.D. (New York University), Assistant Professor of History.

James Rudolph Scroggs, A.B. (Northeastern University), B.D. (Harvard University), Ph.D. (Boston University), Assistant Professor of Psychology.

Mary Cingolani Shapiro, B.S. (Massachusetts State College at Bridgewater), A.M. (DePaul University), Assistant Professor of Modern Foreign Languages.

Margaret Borden Souza, B.S. (Massachusetts State College at Bridgewater), M.S. (Boston College), Assistant Professor of Chemistry.

Benjamin Arthur Spence, B.S. (Massachusetts State College at Bridgewater), M.A., (University of Wisconsin), Assistant Professor of History.

Karen F. Figdor, A.B. (Boston College), A.M. (University of Pennsylvania), Instructor of English.

Dennis Allen Flynn, A.B., A.M. (Columbia University), Instructor of English.

Barbara George, B.A. (Oberlin College), Ed.M. (Rutgers University), Instructor of German.

Walter Joseph Gleason, B.S. (Massachusetts State College at Boston), M.A. (Boston College), Instructor of Mathematics.

Regina Mary Gross, B.S. (Boston University), A.M. (Columbia University), Instructor of Physical Education for Women.
Mary Hill, B.A. (University of Nottingham), Instructor in Geography.

Donald Martin Jacobs, A.B. (Brown University), A.M. (Boston University), Instructor of History.

William Lowell Kendall, B.S. (University of Minnesota), M.S., M.F.A. (University of Wisconsin).

Shirley J. Krasinski, B.S. (University of Connecticut), M.S. (University of Massachusetts), Instructor of Physical Education for Women of Massachusetts), Instructor of Physical Education for Women.

Frank James Lambiase, A.B. (Stonehill College), M.S. (Clarkson College), Instructor of Mathematics.

Olive Lee, A.B. (Radcliffe College), B.S. (University of North Carolina), Instructor of Library Science.

Thomas S. Lee, B.S. (Massachusetts State College at Bridgewater), Ed.M. (Syracuse University), Instructor of Audio-Visual Aids.

Jacob Liberles, B.S. (Massachusetts State College at Lowell), A.M. (Bennington College), Instructor of Music.

Peter Mazzaferro, A.B. (Centre College), Ed.M. (Springfield College), Instructor of Physical Education for Men.

Francis Ronald McLellan, B.S. (Boston College), M.F.A. (Boston University), Instructor of English.

Janice Walker Miller, B.F.A. (Wesleyan School of Fine Arts), M.F.A. (Boston University), Instructor of Art.

Adeline Dupuy Oakley, B.S. (Massachusetts State College at Bridgewater), M.L.S. (Simmons College), Instructor of Library Science.

Leonora Marie Padula, B.A. (Emmanuel College), M.A. (Boston College), Instructor of Modern Foreign Languages.

Robert Brown Parker, A.B. (Colby College), A.M. (Boston University), Instructor of English.

John W. Swardstrom, B.S. (Jamestown College), M.A. (Temple University), Assistant Professor of Physical Sciences.

Mary Lou Thornburg, B.S. (Wisconsin State Teachers College), M.S. (University of North Carolina), Ph.D. (University of Iowa), Assistant Professor of Health and Physical Education for Women.
Vincent James Worden, B.S. (Massachusetts State College at Worcester), Ed.M. (Loyola College), Instructor of Education.

Joseph Bernard Yokelson, A.B. (Brooklyn College), A.M., Ph.D. (Brown University), Assistant Professor of English.

INSTRUCTORS

Genevieve Mary Ash, A.A. (Harvard), A.M. (Suffolk University), Instructor, Student Personnel.

Richard Spencer Baldwin, B.S. (Massachusetts State College at Bridgewater), M.S. (University of Tennessee), Instructor of Biology.

David Brannigan, M.S. (University of New Hampshire), Instructor of Biology.

Charles Edwin Carr, A.B., M.A. (Boston College), Instructor of Mathematics.

Guy Chandler Clifford, B.S. (Tufts College), A.M. (University of Massachusetts), Instructor of Political Science.

Ann Oldham Coakley, B.S. Ed.M. (Boston University), Instructor of Physical Education for Women.

Anthony Charles Contugno, B.S. (Northeastern University), Ed.M. (Massachusetts State College at Boston), Instructor of Modern Foreign Languages.

Katherine Sheila Dannemann, A.B. (University of Rhode Island), A.M. (Michigan State University), Instructor of English.

Robert Dale Dawley, B.A. (St. Lawrence University), M.A. (Middlebury College), Instructor of Modern Foreign Languages.

Armand Eugene Desautels, B.L. (Laval University), B.A. (University of Rochester), M.A. (Assumption College), Instructor of Modern Foreign Languages.

Robert John Dillman, B.S. (New York State College at New Paltz), M.S. (Pennsylvania State University), Instructor of Earth Science.

Martha Rankin Drinkwater, B.S. (Massachusetts State College at Bridgewater), Instructor, Student Personnel.

Lee Anne Dunne, B.S. (Northwestern University), A.M. (Hunter College), Instructor of Speech and Drama.
Margaret Eleanor Farrell, B.S. (University of Massachusetts), Ed.M. (Massachusetts State College at Bridgewater), Instructor of Education.

Margaret Romero, M.S. (University of North Carolina), Instructor of Physical Education for Women.

Marjorie Atwood Rugen, B.S. (Boston University), M.A. (New York University), Instructor of Physical Education for Women.

Louis Schippers, A.B. (Phillips University), B.D. (Texas Christian University), Instructor of Psychology.

Daryl Jane Schoenknecht, A.B. (University of Vermont), A.M. (Columbia), Instructor of English.

Hazel Margaret Schoops, B.S. (Massachusetts State College at Hyannis), Ed.M. (State College at Bridgewater), Instructor of Physical Education.

Johanne Marie Smith, B.S. (Pennsylvania State College at East Stroudsburg), M.S. (University of Illinois), Instructor of Physical Education.

George W. Terhune, A.B. (University of Minnesota), A.M. (University of Montana), Instructor of Speech and Drama.

Abraham V. Thomas, M.A. (University of Madras), Th.L. (Moore Theological Seminary, Sydney, Australia), S.T.M. (Union Theological Seminary), Instructor of Sociology.

Mildred Ragsdale Wellman, B.A. (Denison University), M.S. (Smith College), Instructor of Physical Education for Women.

Carol Ann Wolfgram, B.S. (Wisconsin State College at LaCrosse), A.M. (Colorado State College at Greeley), Instructor of Physical Education.

Shirley Bump Wood, B.S., Ed.M. (Massachusetts State College at Bridgewater), Instructor of Art.

PART TIME INSTRUCTORS

Dawn Winslow Colwell, B.S. (Massachusetts State College at Bridgewater), Part-time Instructor in English.

Verna R. Hall, A.B. (Eastern Nazarene College), A.M. (University of New Mexico), Part-time Instructor in English.
LABORATORY INSTRUCTORS

Colette Helena Janson, A.B. (Massachusetts State College at Bridgewater), Laboratory Instructor in Biology.

Peter Revotskie, B.S. (Tufts University), Laboratory Instructor in Biology.

Linda B. Stafford, A.B. (Massachusetts State College at Bridgewater), Laboratory Instructor in Biology.

Marcia A. Webb, A.B. (Massachusetts State College at Bridgewater), Laboratory Instructor in Physics.

BURNELL SCHOOL

Doris Margaret Sprague, B.S., Ed.M (Massachusetts State College at Bridgewater), Associate Professor of Student Teaching and Principal.

Mary Carroll Doyle, B.S., Ed.M. (Massachusetts State College at Bridgewater), Instructor of Student Teaching---Grade IV.

Ruth Lawton Gamson, B.S., Ed.M. (Massachusetts State College at Bridgewater), Assistant Professor of Student Teaching--Grade I.

Elizabeth Maynard Higgins, B.S. (Massachusetts State College at Bridgewater), Ed.M. (Boston University), Instructor of Student Teaching---Grade III.

Margaret Therese Joyce, B.S., Ed.M. (Massachusetts State College at Bridgewater), Instructor of Student Teaching---Grade II.

Patricia Mary Makin, B.S., Ed.M. (Massachusetts State College at Bridgewater), Instructor of Student Teaching.

Mary Leota Marks, Diploma (Wheelock Normal School), Instructor of Student Teaching---Kindergarten.

Richard Mitchell Menice, B.S. (Massachusetts State College at Bridgewater), Ed.M. (Northeastern University), Instructor of Student Teaching---Grade IV.

Marion Emma Nelson, B.S., Ed.M. (Massachusetts State College at Bridgewater), Instructor of Student Teaching---Grade I.

Betty Ann Noyes, B.S., Ed.M. (Massachusetts State College at Bridgewater), Instructor of Student Teaching---Grade II.
Wayne Richard Phillips, B.S. (Massachusetts State College at Bridgewater), M.A. (University of Connecticut), Instructor of Student Teaching—Grade IV.

Barbara Freeman Poe’Sepp, B.S., Ed.M. (Massachusetts State College at Bridgewater), Assistant Professor of Student Teaching—Grade III.

Ellen Bolin Rucker, B.S. (Massachusetts State College at Hyannis), Instructor of Student Teaching—Grade I.

Dorothy Sherman Wood, B.S. (Massachusetts State College at Bridgewater), Ed.M. (Boston University), Associate Professor of Student Teaching—Grade II.

Jennifer Linn Woodward, B.S. (Massachusetts State College at Bridgewater), Burnell School Librarian.
THE BRIDGEWATER PURPOSE

The State College at Bridgewater shares the national tradition of providing high quality education supported in large part by the State. Serving qualified students throughout the Commonwealth and particularly those living in the southeastern area, this college is committed to encouraging the broad educational preparation which is equally essential for making a maximum contribution to profession, community, and nation, and for developing a sound personal life. While maintaining its historical concern for preparing teachers, Bridgewater also dedicates itself to the education of students who may be interested in other vocations and professions.

Bridgewater strives to provide an atmosphere of integrity, justice, and social concern and to develop within the student a self discipline which will be evident beyond the classroom. In addition to stimulating his intellectual curiosity, Bridgewater State College also provides the student with the opportunity to understand and appreciate the major contributions to man’s knowledge of himself and of the physical and social world in which he lives.

Bridgewater offers programs leading to the degree of Bachelor of Arts, and to the degree of Bachelor of Science in Education. Both programs provide a general academic background as the foundation for specialization in major fields, including that of teaching. The Bachelor of Arts program seeks to prepare the student further in the specific methods, techniques, and knowledge of one of the following fields of concentration: biology, chemistry, chemistry-geology, physics, geography, earth science, English, French, history and political science, and mathematics. The program leading to the Bachelor of Science in Education is designed to prepare teachers of elementary education and women teachers of health and physical education.

HISTORY OF THE COLLEGE

The second quarter of the nineteenth century was a period of tremendous political and intellectual growth in the United States. The movements toward more popular government, the extension of the franchise, and the "rise of the common man" were reflected in the need for better public schools and better trained teachers.

In Massachusetts, men like James G. Carter of Lancaster, who wrote extensively of the need for reform in public education, the Reverend Charles Brooks of Hingham, who had studied Prussian teacher-training institutions and who hoped to establish similar schools here, and the Honorable Edward Dwight of Boston, who offered to give $10,000 for preparing qualified teachers for our common schools on condition that the General Court should match this gift, were leaders in the educational activities of the 1830’s.
With their encouragement, Horace Mann, a brilliant Boston lawyer who had sacrificed his extensive practice to accept the position of Secretary of the Massachusetts Board of Education in 1837 and who was a firm believer in the need for “trained teachers for every child,” persuaded the General Court to establish three normal schools for the training of teachers on a three-year trial basis. The first of these schools opened in Lexington on July 3, 1839, was later moved to West Newton, and finally to Framingham. The second, which opened on September 4, 1839 at Barre, was later moved to Westfield.

Bridgewater began its career on September 9, 1840 in the old Town Hall under the distinguished sponsorship of such citizens of Plymouth County as ex-President John Quincy Adams, Senator Daniel Webster, and the Honorable Artemus Hale. Mr. Nicholas Tillinghast, a graduate and former instructor at West Point Military Academy, was principal. Twenty-eight students, seven men and twenty-one women, were admitted to the first class. Six years later the first building to be erected specifically for normal school work in America was built at Bridgewater. “Colled up in this institution as in a spring,” said Horace Mann at the dedication of this building, “there is a vigor whose uncoiling may wheel the spheres.”

Under incredible odds Mr. Tillinghast labored for thirteen years. When he retired, the school was no longer an experiment, but a well-established part of the state’s educational system. A number of Mr. Tillinghast’s students took the lead in establishing normal schools in other states from Rhode Island to Illinois and Missouri.

Marshall Conant, the second principal (1853-1860), brought to the normal school the fruit of years of teaching in academies in Vermont, New Hampshire, Illinois, and Massachusetts. Under his leadership changes were made in the curriculum, especially in the enrichment of offerings in history and the sciences.

Albert Gardner Boyden, the third principal (1860-1906) who had been a student of Tillinghast and a teacher under Tillinghast and Conant, brought to Bridgewater the new psychological influence in education and instituted a period of growth and development that was continued by his son and successor, Arthur Clark Boyden (1906-1933). Bridgewater and Boyden were almost synonymous for three-quarters of a century. Under the Boydens, Bridgewater drew students from all over the United States, Europe, Latin America, Japan, and Burma. Teacher-training institutions in Armenia and Japan in particular owe their establishment and development to Bridgewater graduates of this period.

In 1921 a legislative act empowered the normal schools to award the Bachelor of Science in Education Degree to any person completing a four-year course in a normal school, and Bridgewater was one of the five state normal schools which granted the degree. In 1932,
by act of the General Court, Bridgewater, together with the other state normal schools became a State Teachers College and in 1960 by another legislative act the Massachusetts teachers colleges became state colleges. These changes which brought the teacher training institutions of Massachusetts into line with other similar institutions gave them added prestige and has enabled them to expand the curriculum offerings to make possible the granting of the B. A. degree as well as the degree of B. S. in Education.

The fall of 1937 saw the opening of the graduate school which has now been absorbed by the Division of Continuing Studies. Courses are offered in this division during the afternoon and evening and on Saturday morning for teachers-in-service and for any interested adults desiring to continue their education. An organized program of studies is offered by this division during the summer both at Bridgewater and Hyannis.

A disastrous fire completely destroyed three of the main buildings on the Bridgewater campus, the main classroom building, Tillinghast Dormitory, and the old Woodward Dormitory on December 10, 1924. The only buildings saved were Normal Hall, now Woodward Hall, and the boiler plant. The efforts of a dedicated core of faculty members enabled the school to continue in temporary quarters, and new buildings were dedicated on October 22, 1926.

Since World War II Bridgewater has undergone remarkable expansion in building, student enrollment, and size of faculty, and there are plans providing for the continuation of this growth through the next decade. The standards set by the early leaders have been maintained, and Bridgewater today retains the spirit exemplified by its motto "Not to be ministered unto but to minister."

The first administrative heads at Bridgewater were 'heirs on the spot' of a well understood policy. This unbroken line of succession led to an unusual growth and expansion. Each of the succeeding presidents, Dr. Zenos Scott (1933-1937), Dr. John Kelly (1937-1951), Dr. Clement C. Maxwell (1952-1962), and Dr. Adrian Rondileau (1962- ) has brought to Bridgewater the particular type of leadership that was needed during his administration, thus endowing the college with a marvelous continuity of development.

During the academic year 1965-66 the college celebrated its 125th anniversary. No better tribute to Alma Mater's growth from an experimental teacher-training institution to a fully accredited, internationally recognized multipurpose institution can be found than words of Albert Gardner Boyden who said years ago, "Thank God for the Bridgewater Spirit of progress, of enlargement of culture, of devotion, of service, of inspiration which has quickened so many thousands of young lives. It has been the animus of the institution from its very beginning and is marching on to multiply its achievement."
ADMISSION

The selection of students who have the ability and preparation and who will most likely be successful in college studies is the basic aim of the admission requirements at the Massachusetts State College at Bridgewater.

Requirements:

Each candidate is considered on the basis of the following requisites:

A. Secondary school preparation. Candidates for admission must have a high school diploma from an accredited secondary school or an equivalent preparation. The high school record must certify completion of sixteen units (representing the study of a subject four or five periods a week for a full school year) accepted by the high school in fulfillment of graduation requirements, or the candidate must present evidence of equivalent preparation.

The 16 high school units must include

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (including Grade XII)</td>
<td>4</td>
</tr>
<tr>
<td>American History and Government</td>
<td>1</td>
</tr>
<tr>
<td>College Preparatory Mathematics</td>
<td>2</td>
</tr>
<tr>
<td>Biology, Physics, or Chemistry</td>
<td>1</td>
</tr>
</tbody>
</table>

Bachelor of Arts candidates must also have two units in a foreign language. Bachelor of Arts candidates desiring to major in Mathematics must present 3 units in College Preparatory Mathematics.

The distribution of the sixteen high school units shall not exceed the following limits in any field.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
</tr>
<tr>
<td>Social Studies</td>
<td>4</td>
</tr>
<tr>
<td>Science</td>
<td>4</td>
</tr>
<tr>
<td>Foreign Languages</td>
<td>7*</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>Business</td>
<td>2</td>
</tr>
<tr>
<td>Fine Arts and Industrial Arts</td>
<td>2</td>
</tr>
<tr>
<td>Home Economics</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1**</td>
</tr>
</tbody>
</table>

*8 for Language majors. No credit is accepted for less than 2 units in any one language.
**For Physical Education majors only.
B. College Entrance Examination Board Tests. Candidates for admission are required to take the College Entrance Examination Board Scholastic Aptitude Test and the Achievement Test in English. Two other achievement tests are required according to the anticipated program of study:

Bachelor of Science Candidates with majors in Elementary Education and in Health and Physical Education (Women): two tests of the candidates choice.

Bachelor of Science Candidates with majors in Elementary Education and in Health and Physical Education (Women): two tests of the candidates choice.

Bachelor of Arts Candidates:
One test related to the intended major field of concentration. One test in a foreign language studied at the high school level and representing two units of study. (If English is the major field, the third required achievement test may be one of the candidate's choice.)

C. Personal Qualifications.

1. Personal Recommendations. The moral and social character of the candidate must, in the judgment of the president of the Massachusetts State College at Bridgewater, warrant the admission of the candidate. Confidential data concerning the candidate including the recommendation of the high school principal and comments by teachers are given consideration in determining the fitness of the candidate for the proposed program of study.

2. Health. The candidate, if a teacher-training program is his intended area of study, must be in good physical and mental health, free from any disease, infirmity, or other defect, any of which would render him unfit for public school teaching. All candidates, regardless of the intended area of study, are required to have a health examination prior to entrance. Information concerning such examinations is forwarded to prospective students after notification of acceptance.

Procedures:

A. Application forms and information concerning the application fee may be obtained from the Office of Admission, Massachusetts State College at Bridgewater. The non-refundable application fee of five dollars, payable to the Commonwealth of Massachusetts, should be sent to the Division of State Colleges, 50 Franklin Street, Boston, Massachusetts.
B. Submission of Secondary School Record. An official transcript of the candidate's academic record and personal rating record must be submitted by the high school principal. The academic record must include the grades of the first marking period or first quarter of the candidate's senior year.

Dates of Admission.

The Admissions Committee will take action on applicants for early selection for admission after the first marking period of the senior year. These candidates must submit outstanding academic records, supported by College Board results and a strong recommendation from the high school. Notification of acceptance will be made on or about January 15th.

Bridgewater State College is on a "rolling admissions" policy. There is no one date on which the College notifies all applicants simultaneously of their acceptance. Candidates are notified on a continuing basis over a period of several months, beginning about February 15th.

If the number of qualified applicants exceeds the number that the facilities of the college will accommodate, a waiting list is established. The position of a candidate on the waiting list is determined by his total academic and personal evaluation.

Those candidates who have not met the requirements for admission by March 15 may jeopardize their chances of receiving consideration for acceptance since the College has the authority to close Freshman Admissions at this time.

Resident Hall Placement

A. Women. The requests for resident hall placement far exceed the actual openings available. Placement is based on the total evaluation of the candidate and the distance from her permanent place of residence. Women students are not allowed to live in private residences outside the campus.

B. Men. Provisions are made for male students to reside within the area of the college in homes approved by the College if resident hall facilities are not available. These placements are assigned in the summer months prior to the opening of the academic year.

Transfer Admission

To be eligible for admission, a candidate who has attended another college or colleges must have an over-all "C" average from all the institutions attended and must be in good standing. The transfer candidate must comply with all the requirements for admission,
and in addition, he must present a transcript of credit, a statement of honorable dismissal, and a current catalog from the last college attended.

Fulfillment of these requirements for admission does not imply acceptance. Since the number of transfer applicants is much greater than the number of openings available, those candidates who offer the best evidence of scholastic achievement are chosen.

All applications should be filed by May 1.

**FINANCIAL INFORMATION**

Expenses

The following summary indicates as nearly as possible the regular expenses for which each student must plan in an annual budget:

I. FEES FOR RESIDENTS OF MASSACHUSETTS

1. $200.00 a year payable in two installments at the beginning of each semester.
2. $7.00 a semester hour -- Courses for part-time day students.
3. $18.00 a semester hour -- Program of Continuing Studies.
4. $11.00 a semester hour -- Auditor in Program of Continuing Studies.

II. FEES FOR NON-RESIDENTS OF MASSACHUSETTS

1. $600.00 a year payable in two installments at the beginning of each semester.
2. $21.00 a semester hour -- Courses for part-time day students.
3. $25.00 a semester hour -- Program of Continuing Studies.
4. $11.00 a semester hour -- Auditor in Program of Continuing Studies.

III. REGISTRATION FEE

Each applicant for admission to the Massachusetts State College at Bridgewater must pay a registration fee of $20.00 following notification of acceptance of admission. This fee will be deducted from the tuition of students who attend and will be forfeited by those who do not attend. Refunds for students leaving the college six weeks after
the beginning of the semester will be based on the regularly-established schedule of refunds, minus the registration fee.

IV. TEXTBOOKS AND SUPPLIES.

Students are expected to purchase all necessary textbooks and supplies, at an approximate expense of $150.00 a year.

V. BOARD AND ROOM

Each applicant for a resident hall reservation must pay a deposit of $25.00 following notification of admission. This deposit will be deducted from the total resident hall fee of students who attend. It will be forfeited by those who do not attend.

Rates for resident hall accommodations range from $180 to $390 per year depending on the facility occupied by the student. The dining hall charge for the year is $370. Payments are required in two installments payable at the beginning of each semester. These fees are subject to change at any time by the Board of Trustees.

Students who are assigned to residences which are built by the State College Building Authority (including the Great Hill residences) will not be entitled to any refund of the semester's rent in the event they leave or withdraw from either the residence or the college.

VI. OTHER EXPENSES

Certain student enterprises which are supported by all the students are financed by means of the Student Activities Fee, which is payable at the beginning of each college year. This fee, presently $35.00, is mandatory.

A physical education fee of $12.00 is required by all freshmen and transfer students who have not fulfilled the physical education requirement. This fee covers towels, bathing suits, (women only) locker, and service privileges at the gymnasium.

The required gymnasium outfit for women in the regular curricular consisting of special uniform and shower equipment costs approximately $25.00. Full description with blanks for ordering will be sent out with notification of admission.

The required physical education outfit for men includes a jersey, gym shorts, sweat pants, sweat shorts, athletic supporter, gym socks, shower clogs, and towels, the approximate cost of which is $15.00. All men entering as freshmen or transfer students will be informed of the procedure of providing information on sizes to the dealer furnishing the uniforms.
LOANS

Alumni and friends of the college have at various times made contributions to the Students' Loan Fund at Bridgewater established for the purpose of extending aid to needy members of the Junior and Senior Classes. This fund is administered by a faculty committee, appointed by the president.

Students in the Sophomore, Junior, and Senior Classes may apply for loans to aid them in the payment of their college expenses at the office of the Massachusetts Higher Education Assistance Corporation, Statler Building, Boston, Massachusetts.

NATIONAL STUDENT ASSISTANCE

The Massachusetts State College at Bridgewater participates in the Financial Aid Program established by the Higher Education Act of 1965. This law unifies several previous aid programs dating back to the National Defense Act of 1958. There are provisions that virtually guarantee that no student will be denied a college education because of the lack of financial resources. The three basic provisions are:

1. The National Defense Student Loan Program. College students who are in need of financial assistance to continue or commence their college education may borrow up to $1,000.00 a year through this loan program. The law requires that each borrower be a full-time student, that he be, in the opinion of the college, capable of maintaining good standing in his chosen course of study. The law further provides that special consideration in the selection of loan recipients be given to students with a superior academic background who express a desire to teach in elementary or secondary schools. The borrower must sign a note for the loan. Repayment of the loan begins a month after the borrower ceases to be a full-time student, with payments being completed within ten years. No interest on the student loan may accrue prior to the beginning of the repayment period and interest thereafter is to be paid at the rate of 3% a year.

The Nation Defense Education Act contains a provision that up to 50% of a loan (plus interest) may be cancelled in the event a borrower becomes a full-time teacher in a public elementary or secondary school. Such cancellation is to be at the rate of 10% a year up to five years. The New Higher Education Act of 1965 further provides that in the event a borrower becomes a full-time teacher in a school district designated by the Federal Government as a poverty area, the rate of teacher cancellation will be 15% for the first six years and 10% for the seventh year, thus cancelling 100% of the loan (plus interest).
2. The College Work Study Program was established by the Economic Opportunity Act of 1964. This law allows the colleges to provide on or off campus work opportunities. Preferences must be given to those students whose family incomes do not exceed certain specified limits. However, the Higher Education Act of 1965 allows the financial aid of i cer to go beyond these low income restrictions. Students may be allowed to work up to 15 hours per week during a normal school week and up to 40 hours per week during vacations. A six week summer work program is also offered. The work usually involves such experiences as helpers in secretarial, laboratory, library, and maintenance positions. Special arrangements can be made whereby students can be employed in off-campus jobs with public or private non-profit agencies such as libraries, YM(W)CA, and hospitals.

3. Under the Financial Aid Program of the Educational Opportunity Grants, a student who otherwise could not continue his education and who is in good academic standing, can receive from $200.00 to $800.00 in grants, provided that the amount received is not in excess of 50% of the total aid received by the student (exclusive of CWSP). As an incentive toward higher scholarships, the financial aid officer is allowed to award an additional $200.00 to any student meeting the above qualifications who stands in the upper half of his class. These grants may be continued throughout the four academic years.

Students who meet the qualifications of all three forms of aid will have a "package" plan developed by which they will be asked to participate in all three programs. Students not qualifying for CESP or EOG should plan to rely on the NDSL for financial aid. The NDSL and CWSP are also available to those undergraduates participating in the Bridgewater Summer School Program. A student recognizing the need for financial aid, either for the summer program or for the regular academic year, should make application by writing or calling at the Office of the Division of Student Personnel no later than May 1 of each year.

ACADEMIC POLICIES

The regular academic year consists of two semesters of sixteen weeks each. Curricula leading to baccalaureate degrees are so planned that a student pursuing a normal program will ordinarily be able to complete the requirements for graduation in four years or eight semesters.

Graduation Requirements:

Degrees will be awarded to candidates who have fulfilled the following requirements:

1) a minimum of 120 semester hours of credit, distributed according to requirements of either the Bachelor of Arts or the
Bachelor of Science curriculum;

2) completion of a minimum of at least two years residence;

3) attainment of a cumulative average of 2.0 or higher;

4) clearance of all financial debts to the college.

Grading System:

The college uses the traditional letter-grade system of marking to indicate the student's relative performance: Excellent—A; Superior—B; Average—C; Passing—D; Failure—E. In computing averages, grades are assigned the following numerical values: A—4; B—3; C—2; D—1; E—0. Promotional averages are annually cumulative: for freshmen to advance to sophomore status, an average of 1.5 is required; to advance to junior status, an average of 1.75; to advance to senior status and to be eligible for graduation, a cumulative average of 2.0 is required.

Withdrawal from Courses:

A student may withdraw from any course at any time before the end of the first four weeks of the semester without any permanent record being made of the original registration. Dropping a course after the first four weeks requires that the course appear on the permanent record with either WP (withdrawn passing) or WF (withdrawn failing). Permission for all withdrawals must be given by the Academic Dean or else a failing grade will be recorded.

Warning, Probation, and Dismissal:

Warning notices are given at mid-semester to all students who fail to maintain a "C" average in any course.

At the end of each semester, all students whose averages fall below the required minimum standard are subject to dismissal. Those students who are adjudged to have a reasonable chance of raising their total average to the acceptable level within one semester may be placed on probation, on the recommendation of the Faculty Committee on Academic Standing and by approval of the Academic Dean.

Honors Program:

Intensified courses are provided in each of the major disciplines. Students are invited to participate in the intensified course program on the basis of previous or present academic performance and by the recommendation of the Professor offering the advanced course.

The general aim of the Honors Program is to encourage students to do more advanced, intensive, independent, and creative work.
Students who have attained an over-all B average in their college work and are recommended by the instructors in their department may apply in writing for admission the Honors Program. Fulfillment of departmental requirements and recommendation by the department are necessary for acceptance in the program.

To obtain honor credit, the student must demonstrate a mastery of subject matter and the techniques of research in the field. He may earn six to twelve hours of honors credit by (1) completing regular advanced courses and seminars in which he can fulfill all other department requirements for honors work; (2) completing honors courses and seminars; (3) completing independent study and research under faculty supervision; (4) earning a portion of his honors credit in a field relating to the area of concentration with the approval of both of the departments involved. The student will be expected to maintain in each course and in each independent research project a standard of work acceptable for honors credit. The major department concerned may evaluate the students work by a comprehensive examination in the field, an honors thesis, or the completion of an approved research problem.

Dean's List:

The Dean’s List is published at the termination of each academic year to honor academic achievement. A 3.3 average for all students in all classes is required.

Graduation Honors:

Academic excellence for the entire baccalaureate program is recognized by awarding degrees summa cum laude (cumulative average of 3.8), magna cum laude (3.6), and cum laude (3.3).

Withdrawal from the College and Re-admission:

Any student who must prematurely terminate his education should withdraw officially to insure honorable dismissal. Official withdrawal forms may be obtained from the Office of the Registrar and must be signed by the Academic Dean. Should the student leave the college without giving official notification, failing grades will be recorded for all courses.

Students who have officially withdrawn in good standing may apply for re-admission to the college through the Office of the Director of Admission. Application should be made as early as possible prior to the beginning of the semester, in order to secure a place on the roster before the quota enrollment is reached. Re-admission may be granted only at the beginning of the semester during which study had terminated. A student may not withdraw during one semester and be re-admitted for the next immediate term.
Students who have been separated from the college for academic reasons may re-apply for admission through the Office of the Director of Admission. A letter to the Director of Admission must be written asking for consideration. An interview will then be arranged by the Director with the Undergraduate Committee on Admission. Following this interview the applicant will be duly notified within one week.

It is recommended that such an applicant give evidence of at least one year of academic work at some other institution of higher learning. Men who enter the Military may apply for re-admission when duly separated from Active Duty. All course work taken elsewhere will not necessarily be accepted as transfer credit. No student who is re-admitted will be eligible to graduate with his original class.

DEGREE PROGRAMS

The State College at Bridgewater is authorized to grant the degrees of Bachelor of Arts and Bachelor of Science in Education. The Bachelor of Science in Education degree prepares students for teaching in the elementary schools and prepares women students for teaching physical education and health education at all levels. The Bachelor of Arts degree allows the student to select from ten different areas of concentration, and provides preparation for secondary school teaching (if education is elected as a minor) graduate school, and fields of endeavor related to ones major area of study.

BACHELOR OF ARTS

General Education Requirements:
All students must take the following sequence of courses:

I. Humanities

A. English Composition 6 S.H.
B. Literature 3 S.H.
C. Introduction to Philosophy 3 S.H.
D. Humanities Elective from
   Art or)
   Music ) 3 S.H.
E. Humanities Elective from
   Art )
   Music )
   Literature )
   Oral Communication) 3 S.H.
F. Total Semester Hours Humanities Requirements 18 S.H.

II. Foreign Language

(one half or all of these hours can be waived by placement examination) 12 S.H.

III. Social Sciences

A. History 6 S.H.

B. Social Science Electives - Block 1 (select 2 courses)

- General Psychology
- Introduction to Sociology
- Anthropology 6 S.H.

C. Social Science Electives - Block 2 (select 2 courses)

- Government
- Political Science
- **American History
- Economics 6 S.H.

D. Massachusetts and United States Constitution 1 S.H.

E. Total Semester Hours Social Science Requirements 18-19 S.H.

* Requirement may be met by electing HI-221 (U.S. History to 1865)
** HI-221 (U.S. History to 1865) meets the constitution requirement

IV. Mathematics and Natural Sciences

A. Laboratory Science 6-8 S.H.

B. Mathematics 3-4 S.H.

C. Mathematics and Natural Science Electives 4-6 S.H.

D. Total Semester Hours Mathematics and Natural Science Requirements 14-16 S.H.

V. Health and Physical Education

A. Activities - to be taken for 3 semesters 0 S.H.

B. Health - to be taken for 1 semester 2 S.H.

C. Total Semester Hours Health and Physical Education Requirements 2 S.H.
Major Requirements:

Each student must complete not less than 24 and not more than 36 semester hours of credit in one of the following major fields of concentration: Biology, Chemistry, Earth Science, English, French, Geography, Geochemistry, History, Mathematics, Physics. The 24 and 36 semester hours of credit reflect all courses taken in the major department, including those which are listed under the distribution of General Education Requirements. The student must select his major field by the end of the sophomore year.

Minor Fields of Concentration:

Education Minor:

Students may elect an education minor (see: Education under "Courses of Instruction") by taking a minimum of 18 semester hours in the sequence recommended by the Department of Education, six of which will be in student teaching.

Other Minors:

In general, students may pursue a sequence of courses in cognate areas where such a sequence is possible; namely, other fields offering majors.
BACHELOR OF SCIENCE IN ELEMENTARY EDUCATION

General Education Requirements - 68 semester hours

Humanities - 24 semester hours

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>12</td>
<td>EN 101 and 102</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EN 211 and 212</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>or EN 221 and 222</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>or EN 231 and 232</td>
<td></td>
</tr>
<tr>
<td>Speech</td>
<td>3</td>
<td>OC 200</td>
<td>3</td>
</tr>
<tr>
<td>Art</td>
<td>3</td>
<td>AR 110</td>
<td>3</td>
</tr>
<tr>
<td>Music</td>
<td>3</td>
<td>MU 110</td>
<td>3</td>
</tr>
<tr>
<td>Philosophy</td>
<td>3</td>
<td>PL 380</td>
<td>3</td>
</tr>
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</table>

Social Sciences - 21 semester hours

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>9</td>
<td>HI 111 and 112</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HI 221</td>
<td>3</td>
</tr>
<tr>
<td>Psychology</td>
<td>6</td>
<td>PY 200</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>PY 224</td>
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</table>

Elective - 6 semester hours

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>3</td>
<td>HI 222</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>3</td>
<td>SO 280</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>3</td>
<td>EC 400</td>
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</table>

Natural Science and Mathematics - 21 semester hours

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Courses</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>6</td>
<td>MA 107 and 108</td>
<td>6</td>
</tr>
<tr>
<td>Biology</td>
<td>6</td>
<td>BI 110 and BI 120</td>
<td>6</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3</td>
<td>CH 200</td>
<td>3</td>
</tr>
<tr>
<td>Physics</td>
<td>3</td>
<td>PH 200</td>
<td>3</td>
</tr>
<tr>
<td>Earth Science</td>
<td>3</td>
<td>ES 200</td>
<td>3</td>
</tr>
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</table>

Health & Physical Education - 2 semester hours

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Courses</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>HPEM 110 and HPEW 110</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Personal Health</td>
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</table>

Physical Education Activities 3 semesters without credit

Professional Education

Professional Education Courses are outlined under Courses of Instruction - Education Department - Specific Department Requirements. In addition, Elementary Majors take AV 31 2 s.h. Audio-Visual Methods and Materials and Methods and Materials Courses in Music, Art and Physical Education.
### BACHELOR OF SCIENCE IN HEALTH AND PHYSICAL EDUCATION FOR WOMEN

#### Freshman Year first Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>BI 120 General Zoology</td>
<td>3</td>
</tr>
<tr>
<td>ART 120 Art</td>
<td>2</td>
</tr>
<tr>
<td>HPE 151 Personal and Community Health</td>
<td>3</td>
</tr>
<tr>
<td>HPE 161 Into, to Physical Educ.</td>
<td>2</td>
</tr>
<tr>
<td>HPE 171 Anatomy I</td>
<td>2</td>
</tr>
<tr>
<td>PEA 133 Field Hockey I</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 123 Swimming</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 127 Track and Field</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 131 Basketball I</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 141 Creative Rhythms</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 149 Square Dance I</td>
<td>.5</td>
</tr>
</tbody>
</table>

**Total:** 18.0

#### Sophomore Year First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PY 200 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HI 221 U.S. History &amp; Constitution</td>
<td>3</td>
</tr>
<tr>
<td>PH 200 Survey of Physics</td>
<td>3</td>
</tr>
<tr>
<td>OC 200 Oral Communication</td>
<td>2</td>
</tr>
<tr>
<td>HPE 261 Officiating</td>
<td>3</td>
</tr>
<tr>
<td>HPE 265 Elementary Physical Ed.</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 211 Games</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 241 Folk Dance II</td>
<td>.5</td>
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</tbody>
</table>

**Total:** 18.0

#### Junior Year First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ED 390 Supervised Practice</td>
<td>2 or</td>
</tr>
<tr>
<td>SO 280 Sociology</td>
<td>3</td>
</tr>
<tr>
<td>HPE 367 Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>HPE 363 Secondary Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>PEA 333 Field Hockey II</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 323 Swimming II</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 321 Golf I</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 347 Square Dance II</td>
<td>.5</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
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**Total:** 14.0b

#### Senior Year First Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ED 480 Philosophy of Education</td>
<td>3</td>
</tr>
<tr>
<td>HPE 451 School Health Admin. &amp; Safety</td>
<td>3</td>
</tr>
<tr>
<td>HPE 467 Problems in Hth. &amp; Phys. Ed.</td>
<td>2</td>
</tr>
<tr>
<td>HPE 471 Physiology of Exercise</td>
<td>2</td>
</tr>
<tr>
<td>EN 211 Literature-Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>PEA 425 Archery</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 439 Volleyball</td>
<td>.5</td>
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<td>PEA 405 Gymnastics IV</td>
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<tr>
<td>PEA 447 Elective</td>
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**Total:** 15.0

#### Second Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ENG 102 Composition</td>
<td>3</td>
</tr>
<tr>
<td>MA 110 Elementary Statistics</td>
<td>3</td>
</tr>
<tr>
<td>BI 110 General Botany</td>
<td>3</td>
</tr>
<tr>
<td>MU 120 Music</td>
<td>2</td>
</tr>
<tr>
<td>HPE 172 Anatomy II</td>
<td>2</td>
</tr>
<tr>
<td>PEA 142 Folk Dance I</td>
<td>.5</td>
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<tr>
<td>PEA 106 Gymnastics I</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 144 Modern Dance I</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 126 Badminton I</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 148 Lacrosse I</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 138 Soccer</td>
<td>.5</td>
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**Total:** 16.0

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PY 226 Adolescent Psychology</td>
<td>3</td>
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<tr>
<td>HI 222 U.S. History &amp; Constitution</td>
<td>3</td>
</tr>
<tr>
<td>CH 200 Survey of Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>HPE 254 Methods in Health &amp; First Aid</td>
<td>3</td>
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<tr>
<td>PEA 226 Badminton II</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 202 Gymnastics II</td>
<td>.5</td>
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<tr>
<td>PEA 246 Lacrosse II</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 244 Modern Dance II</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 238 Softball</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 228 Tennis I</td>
<td>.5</td>
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**Total:** 15.0

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ED 390 Supervised Practice Teaching</td>
<td>2</td>
</tr>
<tr>
<td>PL 380 Introd. to General Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>BI 385 Physiology</td>
<td>3</td>
</tr>
<tr>
<td>HPE 352 Adapted Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>PEA 372 Applied Anatomy &amp; Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PEA 332 Basketball II</td>
<td>.5</td>
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<tr>
<td>PEA 328 Tennis II</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 308 Gymnastics III</td>
<td>.5</td>
</tr>
<tr>
<td>PEA 348 Elective</td>
<td>.5</td>
</tr>
</tbody>
</table>

**Total:** 16.0b
ANTHROPOLOGY

Professor Joseph G. Moore, Chairman

AN 201. Introduction to Anthropology.

Origin of man. Physical evolution of man. Divisions of anthropology, cultural history and development. Basic concepts and methods for analyzing cultures. 3 periods weekly; 3 semester hours credit.

AN 205. Applied Anthropology: Culture Change in Developing and Underdeveloped Societies.

Examination of aspects of socio-cultural change, how it affects individuals, institutions and total cultures. Survey of Societies in Social Change situations. Prerequisite: AN 201. 3 periods weekly; 3 semester hours credit.

AN 207. Introduction to Ethnological Theory.

A study of the various schools of ethnological theory together with methods, on each of the major schools of anthropology. Prerequisite: AN 201. 3 periods weekly; 3 semester hours credit.

AN 209. The Peoples of the West Indies.

The study of a number of West Indian cultures involving all aspects of their culture together with cultural histories of the area. Prerequisite: AN 201. 3 periods weekly; 3 semester hours credits.

ART

Associate Professor Doris E. Tebbetts, Chairman; Associate Professor Robert A. Daniel; Instructors Shirley A. Wood, William L. Kendall, Janice W. Miller.

The primary purpose of the department is to provide all students with the insights and knowledge needed for understanding 1) the important role of the visual arts in any culture, 2) the involvement of the individual artist in the process of creation, 3) the various media and techniques used by the artist, and 4) esthetic criteria evolved from developing standards of taste.

A grade of C or above in AR 110 or AR 280 is required for continuation as an Art Minor.

AR 110. Introduction to Art

This course serves as an introduction to the visual arts, with
emphasis on painting, sculpture, and architecture. Stress is placed on the art object as a concrete visual phenomenon, approached through an analysis of esthetic principles. Also included is a discussion of style and its historical context. There will be assigned readings and museum visits. This is a required course for majors in elementary education. 3 periods weekly; 3 semester hours credit.

Staff

AR 120. The Visual Arts

The introduction of the student of physical education to the various aspects of the visual arts with emphasis on architecture, sculpture, and painting, is the aim of this course. Analysis of historical styles, media, and specific examples of the major periods, will be stressed. There will be assigned readings and museum visits. 2 periods weekly; 2 semester hours credit.

Staff

AR 280. Understanding the Arts

The primary aim in this course is the development of a framework for visual understanding and enjoyment. The student is taught to apply an analytical technique to specific objects chosen for study. Attention is also focused on social, historical, and psychological factors which enter into the total fabric of art. There will be assigned readings and museum visits. 3 periods weekly; 3 semester hours credit.

Mr. Kendall

AR 380, or 381. General Crafts

The student will be offered a variety of technical processes in the handicrafts. From these he will be asked to select a limited number of projects which he will complete; each one to be representative of a different craft area. (The General Crafts courses, AR 213, 214, formerly required, are no longer offered.) One lecture period and two 2-hour periods weekly; 3 semester hours credit for each semester.

Staff

AR 383, or 384. Ceramics I

This course is planned to develop proficiency in the basic forming processes of the coil and slab methods, and as an introduction to wheel forming. Emphasis will be placed upon clay as a design medium and will involve the use of glazes as an aspect of ceramic design. (This course was formerly offered in AR 381, 382 Crafts,) three 2-hour studio periods weekly; 3 semester hours credit.

Mrs. Miller
AR 384, or 383. Ceramics II

Clay as a vehicle for self-expression will be explored in this course in ceramic design which will utilize and combine forming processes; survey of decorative techniques and applied design; wheel forming; and glaze research. (This course was formerly offered in AR 381, 382 crafts.) Prerequisite: AR 383, Ceramics I, or permission of the instructor. Three 2-hour studio periods weekly; 3 semester hours credit.

Mrs. Miller

AR 385, or 386. Pewtersmithing I

This course stresses the art of designing and fabricating flatware and jewelry in the medium of modern pewter. The student will have the opportunity to develop proficiency in the use of the basic hand tools related to the craft. (This course was formerly offered in AR 381, 382 Crafts.) Three 2-hour studio periods weekly; 3 semester hours credit.

Mrs. Wood

AR 386, or 385. Pewtersmithing II

This course stresses the art of designing, forming, joining and surface treatment of hollow and flatware in the medium of modern pewter. General shop information and techniques, knowledges and skills that evolve may be applied to other metals. (This course was formerly offered in AR 381, 382 Crafts.) Prerequisite: AR 385, Pewtersmithing I, or permission of the instructor. Three 2-hour studio periods weekly; 3 semester hours credit.

Mrs. Wood

AR 387. Techniques of Drawing and Painting I

The course is planned to develop basic skill in pictorial organization and in painting and drawing techniques. Evaluation will be based on the individual student's extent of growth during the course. Field trips to art museums and galleries will give the students direct contact with original works of well known artists. (These two courses, each now more specialized, were formerly given as AR 383, Techniques of Drawing and Painting.) Three 2-hour periods weekly; 3 semester hours credit.

Mr. Kendall

AR 388. Techniques of Drawing and Painting II

Advanced projects in painting and drawing will be planned appropriate to the individual's style of development. Field trips to art
museums and galleries will be orientated toward analysis of technique and design. (These two courses, each now more specialized, were formerly given as AR 383, Techniques of Drawing and Painting.) Prerequisite: AR 383, Techniques of Drawing and Painting I, or permission of the instructor. Three 2-hour periods weekly; 3 semester hours credit.

Mr. Kendall

AR 390. Interior Design.

Traditional and contemporary styles in furniture and interior design are studied in illustrated lectures and field trips. Problems in the selections and arrangement of home furnishings afford opportunity for the development of individual taste. (This course was formerly offered as AR 380, Interior Design.) Three lecture periods weekly; 3 semester hours credit.

Associate Professor Tebbetts

AR 391. History of Art.

This course is designed to acquaint the student with the major historical developments in art. The phenomenon of style is examined in conjunction with its relation to the historical process. Techniques of stylistic analysis are employed in the study of objects chosen from museum collections. There will be assigned readings and museum work. Prerequisite: AR 110 or AR 280, or permission of the instructor. Three periods weekly; 3 semester hours credit.

Mr. Kendall

BIOLOGICAL SCIENCES

Professor Kenneth J. Howe, Chairman; Commonwealth Professor and Dean of the Graduate School Frank J. Hilferty; Professors Elizabeth M. Cirino, Lawrence B. Mish, William J. Wall, Jr.; Associate Professors James R. Brennan, Walter A. Morin*; Assistant Professors Robert A. Coler*, Charles W. Howie, Jr.; Instructor: Mr. David Brannigan; Instructor: Richard S. Baldwin; Laboratory Instructors: Colette H. Janson, Peter Revotskie.

The Department of Biological Sciences offers a broad, integrated major program in biology designed to prepare students for teaching, research, and graduate work. For those with majors in fields related to biology, or for those interested in developing a better understanding of the life sciences, the Department offers an integrated series of courses appropriate to each student’s concentration.

Biology majors who are matriculated for the degree of Bachelor of Arts, in addition to completing the General Requirements, must
satisfactorily complete the following courses: Biology 110, 120, 281, 282, 283, 292, 381, 393, 395, 397, 401, 405, 411; Chemistry 131, 132; Mathematics 103, 104; Physics 181, 182; German** 101, 102, 291, 292; Psychology 200. Chemistry 131, 132 and Mathematics 103, 104, must be taken in the Freshman year.

Incoming students who elect a major concentration in biology and who have had advanced training in biology will usually be permitted to enroll in courses beyond the 100 series if they meet departmental requirements for advanced placement. Students interested in advanced placement should consult the general section of the catalog and the Chairman of the Department.

Students interested in preparing for careers in medicine, oceanography, or dentistry should consult the Interdepartmental Program section in the catalog.

**A language other than German may be accepted in special cases.

Bi 110. General Botany.

An introduction to the principles of biology with special reference to the botanical aspects, this course emphasizes the structure, function, and classification of plants. The following topics are considered: structure of cells, tissues, and organs; photosynthesis; water relations; respiration; growth; reproduction; heredity; disease; evolution; and a general survey of the plant kingdom. Biology 110 and 120 constitute a coordinated course in general biology. 2 lecture periods and one 2-hour laboratory period weekly for one semester; 3 semester hours credit.

Professor Howe
Staff

Bi 120. General Zoology.

An introduction to the principles of biology with special reference to zoological aspects, this course emphasizes the following topics: protoplasm and the cell, taxonomy, histology, parasitology, vertebrate and invertebrate anatomy and physiology, embryology, ecology, evolution, and a general survey of the animal kingdom. Biology 110 and 120 constitute a coordinated course in general biology. 2 lecture periods and one 2-hour laboratory period weekly for 1 semester; 3 semester hours credit.

Professor Wall
Staff
This course stresses the importance of conservation of natural resources, especially water, and the role of plants and animals in the maintenance and replenishment of our natural heritage. Lectures, guest speakers, readings, and field trips to good and bad examples of conservation practice will form an important segment of the course. The course is designed as an exposition of the conservation problems of southeastern Massachusetts and will be aimed at teachers of junior and senior high school biology and general science, city and town officials concerned with water, sewage, forestry, conservation, and industrial development and planning. 1 lecture period weekly during the first quarter and one 3-hour laboratory period weekly during the second quarter of the spring semester; 3 semester hours credit.

Professor Mish

BL 281. Invertebrate Zoology.

The biology of invertebrates with emphasis on comparative morphology, taxonomy, physiology, natural history, and evolution and representatives of the principal classes of each phylum are studied. Prerequisite: Biology 120. 2 lecture periods and one 2-hour laboratory period weekly for one semester; 3 semester hours credit.

Professor Wall

BL 282. Comparative Chordate Anatomy.

A phylogenetic approach is made to the study of chordate gross anatomy supplemented by laboratory dissections of amphioxus, sand shark, mud puppy, turtle, pigeon, and cat. Emphasis is placed on interpretation of morphological trends imposed on chordate systems by environmental stimuli. Prerequisite: BL 120. 2 lecture periods and one 2-hour laboratory period weekly for one semester; 3 semester hours credit.

Assistant Professor Coler
Mr. Brannigan

BL 283. Field Natural History.

The identification, classification, and natural history of local plants and animals, and techniques of collecting and preserving specimens are included in this course. Prerequisite: Biology 110, 120. One 4-hour laboratory period weekly for 1 semester (first and fourth quarters); 2 semester hours credit.

Professor Mish
Staff
This course includes a study of structural features of extant vascular plants from ontogenetic and phylogenetic viewpoints, with special attention given to recent developments in comparative plant anatomy, references to nonvascular and extinct vascular plants, correlation of microscopic features with gross structure, the value of plant anatomy to other sciences and industry, and introductory microtechnique. Prerequisite: BI 110. 2 lecture periods and one 2-hour laboratory period weekly for one semester; 3 semester hours credit.

Assistant Professor Howie

A study is made of the functions, chemical transformations, and attendant energy changes associated with basic biological phenomena. Prerequisite: BI 110, 120, Chemistry 131, 132. 3 lecture periods weekly for one semester; 3 semester hours credit. Not offered in 1967-1968.

Assistant Professor Coler

General physiological principles common to invertebrates and vertebrates are discussed with major emphasis given to: cellular organization, transport phenomena, cellular respiration, secretion, irritability, contraction, and integrative functions in animals. Prerequisite: BI 120, Chemistry 131, 132, or permission of the Instructor. 2 lecture periods and one 2-hour laboratory period weekly for one semester; 3 semester hours credit.

Associate Professor Morin
Mr. Brannigan

Consideration is given to general physiological principles and their application to physical education. Topics covered are the physiology of exercise, muscle movement, excitation, and hormonal control. Prerequisite: BI 120, Physics 251, 252. 2 lecture periods and one 2-hour laboratory period weekly for one semester; 3 semester hours credit.

Associate Professor Morin
Mr. Brannigan

This course is designed for advanced students desiring individual instruction in the methods of general biological, botanican or zoologi-
cal investigation. Prerequisite: Permission of the Faculty of Biology. Credits and hours to be arranged.

Staff

Bl 393. Genetics.

An intensive study is made of the basic principles of heredity and variation in plants and animals. Emphasis is placed on methods of problem solving and the historical background of the science. Prerequisite: Biology 110, 120, or permission of the Instructor. 2 lecture periods and one 2-hour laboratory period weekly for one semester; 3 semester hours credit.

Associate Professor Brennan

Bl 394. Limnology.

A field course designed to acquaint the student with principles governing the distribution of species within their aquatic milieu. The application or laboratory phase will be developed around the facilities afforded by the Carver Pond Field Station, Town River Field Station, and the Bioassay Laboratory. Course content will include environmental analysis, life cycles of some dominant forms, taxonomy of the aquatic biota, and pollution ecology. Prerequisite: Bl 110, 120. 2 lecture periods and one 2-hour laboratory period weekly for one semester. 3 semester hours credit. Not offered in 1967-1968.

Assistant Professor Coler

Bl 395. Microbiology.

This course provides an introduction to the cultivation, growth, and identification of micro-organisms significant to man. Special emphasis is directed toward laboratory techniques. Prerequisite: Biology 110, Chemistry 131, 132, or permission of the Instructor. 4 lecture periods and two 2-hour laboratory periods weekly for one quarter; 3 semester hours credit.

Professor Mish

Bl 397. Plant Physiology.

This course provides an introduction to the growth and function of plants including cellular physiology, water relations, metabolism, respiration, photosynthesis, nutrition, and the influence of environment on the growth and development of higher plants. Prerequisite: BI 110, Chemistry 131, 132, or permission of the Instructor. 2 lecture periods and one 2-hour laboratory period weekly for one semester; 3 semester hours credit.

Professor Howe
BI 401. Seminar in Biology.

This seminar provides discussion of current problems and research in the biological sciences. Although primarily composed of the faculty and seniors of the Department of Biological Sciences, all interested members of the college faculty and qualified students are invited to participate, 1 period weekly for the first, second, and fourth quarters of two semesters; 1 semester hour credit.

Professor Wall

Staff

BI 405. Systematics and Evolution.

In this course consideration is given to contemporary taxonomic problems in the light of evolutionary phenomena. Emphasis is placed on such mechanisms of specialization as mutation, variation, hybridization, polyploidy, isolation, natural selection, and genetic drift. Prerequisite: BI 393, or permission of the Instructor. 6 periods weekly for one quarter; 3 semester hours credit.

Commonwealth Professor Hilferty
Professor Wall
Assistant Professor Howie


The dynamics and evolution of populations, communities, and ecosystems are emphasized. Students will become acquainted with the communities of Southeastern Massachusetts through field studies which make up a major portion of the laboratory requirement. Prerequisite: BI 110, 120, or permission of the Instructor, 2 lecture periods and one 2-hour laboratory period weekly for one semester (first and fourth quarters). 3 semester hours credit.

Professor Cirino

BI 422. Radiation Biology.

This course provides a study of unstable isotopes and the types of radiation in the electromagnetic spectrum, with emphasis placed on their biological effects, use in the field of biology, and precautions necessary for utilization. Prerequisite: Permission of the Instructor, 2 lecture periods and one 2-hour laboratory period weekly for one semester. 3 semester hours credit. Not offered in 1967-1968.

Associate Professor Morin

BI 427. Cytology.

A detailed study is made of cellular morphology and organization including descriptions of major intracellular processes and functional
significance of cellular structures. Prerequisite: BI 110, 120, or permission of the Instructor. 2 lecture periods and one 2-hour labor-orary period weekly for one semester; 3 semester hours credit. Not offered in 1967-1968.

Associate Professor Brennan

BI 491, 492. Biological Sciences: BSCS Yellow Version I.

Selected subject material of importance to proper presentation of BSCS Yellow Version High School Biology is covered in detail. Topics presented are animal physiology, general biochemistry, cytology, and plant physiology. Representative laboratory exercises are performed by the student. Offered in alternate summers (last given in 1966). Prerequisite: Permission of the Faculty of Biology. Full time for a six-week summer session; 6 semester hours credit for each summer session.

Staff

BI 493, 494. Biological Science: BSCS Yellow Version II.

Selected subject material of importance to proper presentation of BSCS Yellow Version High School Biology is covered in detail. Topics presented are evolution, ecology, genetics, and microbiology. (Representative laboratory exercises are performed by the student.) Offered in alternate summers (last given in 1967). Prerequisite: Permission of the Faculty of Biology. Full time for a six-week summer session; 6 semester hours credit for each summer session.

Staff

CHEMISTRY

Associate Professor Wilmon B. Chipman, Chairman; Associate Professor Henry O. Daley, Jr.; Assistant Professors Vahe M. Marganian, Joseph M. Pagano, Margaret R. Souza.

The Chemistry Department offers two programs leading to the Bachelor of Arts degree in chemistry. The first of these, the major in Professional Chemistry, is designed for students who plan to go on to graduate work in Chemistry or to do research in chemical industry. The courses offered in this program meet the requirements of the American Chemical Society for an approved major. Satisfactory performance in this program (B average) will give the student the professional preparation required for an assistantship or fellowship in graduate school.

The major in Chemistry is designed for students who wish to prepare for secondary school teaching, chemical sales work, medicine, dentistry, pharmacy, oceanography, or veterinary science. This
program is designed to allow a maximum amount of flexibility in that only a minimum number of chemistry courses are included. The student enrolled in this program may elect more chemistry courses if he desires, or he may elect courses in other sciences or in the Humanities, Social Sciences or Education. The student need not decide between the programs until the second semester of his sophomore year. Both curricula are structured so that the student achieves a well-balanced liberal education and professional training in his major field.

Attention is called to the Chemistry-Geology major offered jointly by the Departments of Chemistry and Earth Sciences.

The major in Professional Chemistry is required to take the following courses: CH 141, 142, (or CH 131, 132), 241, 242, 343, 344, 381, 382, 441, 442, 450, 460; and MA 101, 102, 201, 202; PH 243, 244, 387; LG 101, 102, 191, 192. (German may be replaced with French with the written permission of the Department).

The major in Chemistry is required to take the following courses: CH 141, 142, (or CH 131, 132), 241, 242, 343, 344, 381, 382; and MA 101, 102, 201; PH 243, 244, 387; LG 101, 102, 191, 192. (German may be replaced by French with the written permission of the Department).

CH 131, 132. General Chemistry.

A study will be made of the elements and their compounds, with emphasis on structure and its relation to properties. CH 131 is prerequisite to CH 132. 2 lecture periods and 1 two-hour laboratory period weekly; 3 semester hours credit for each semester.

Staff

CH 141, 142. Inorganic Chemistry with Qualitative Analysis.

Theoretical inorganic chemistry with emphasis on mass-energy relationships in terms of structure and physical laws. Laboratory work emphasizes quantitative techniques. CH 141 is prerequisite to CH 142. 3 lecture periods and 1 four-hour laboratory period weekly; 4 semester hours credit for each semester.

Staff

CH 200. Survey of Chemistry.

The fundamental laws of chemistry are studied together with their application to elements and compounds, reactions and properties. 2 lecture periods and 1 two-hour laboratory period weekly; 3 semester hours credit.

Staff
CH 241. Inorganic Quantitative Analysis.

A study will be made of the classical and modern methods for the volumetric and gravimetric determination of elements and groups. Prerequisite: CH 142 or CH 132. 3 lecture periods and 1 four-hour laboratory period weekly; 4 semester hours credit.

Assistant Professor Pagano


Modern structural concepts of inorganic chemistry and descriptive inorganic chemistry are presented at an intermediate level. Prerequisite: CH 241 or permission of the Instructor. 3 periods weekly; 3 semester hours credit.

Assistant Professor Pagano

CH 343, 344. Organic Chemistry.

A survey will be made of the chemistry of organic compounds from the points of view of synthesis, structure, and reactions, including some study of the mechanisms of organic reactions. Prerequisite: CH 142, or CH 132 and permission of the Instructor. CH 343 is prerequisite to CH 344. 3 lecture periods and 1 four-hour laboratory period weekly; 4 semester hours credit for each semester.

Staff

CH 381, 382. Physical Chemistry.

A study will be made of the laws governing the physical and chemical behavior of compounds. Prerequisite: CH 142, or 132; MA 201, CH 381 is prerequisite to CH 382. 3 lecture periods and 1 four-hour laboratory period weekly; 4 semester hours credit for each semester.

Associate Professor Daley

CH 390. Research Problems in Chemistry.

Special projects for advanced students desiring individual instruction in the methods of chemical research. Prerequisite: Permission of the Department. Credit and hours to be arranged.

Staff


This course will include such selected topics in advanced chemistry as physical organic chemistry, mechanisms, alicyclic and heterocyclic chemistry or advanced synthetic methods. Pre-
requisite: CH 343, 344, and permission of the Instructor. 3 periods weekly; 3 semester hours credit.

Staff

CH 441, 442 Qualitative Organic Analysis.

This course will review the reactions of organic compounds with emphasis on reactions of importance for classification and identification. Laboratory work involves the identification of both simple compounds and mixtures. Prerequisite: CH 344. 1 lecture period and 1 six-hour laboratory period weekly; 3 semester hours credit for each semester.

Associate Professor Chipman

CH 444 Advanced Inorganic Chemistry.

Principles of inorganic chemistry are presented at an advanced level. Prerequisite: CH 381, and CH 382 (may be taken concurrently). 3 periods weekly; 3 semester hours credit.

Assistant Professor Marganian

CH 450. Instrumental Analysis.

Theory and practical application of instrumental methods are applied to chemical analysis. The course will include pH measurements, electrodeposition, potentiometry and spectroscopy. Prerequisite: CH 381, and CH 383 (may be taken concurrently). 2 lecture periods and 1 four-hour laboratory period weekly; 3 semester hours credit.

Assistant Professor Marganian

CH 461, 462. General Biochemistry.

A study will be made of the chemical components of living matter and the major processes of cellular metabolism. Prerequisite: CH 343, 344, and permission of the Instructor. 3 semester hours credit for each semester; 3 periods weekly.

Associate Professor Chipman

CH 480. Special Topics in Physical Chemistry.

Topics of an advanced nature in physical chemistry will be selected with an emphasis on recent developments in the field. (Possible topics: N,M,R, E,S,R, elementary Quantum mechanics, Statis-
tical Thermodynamics). Prerequisite: CH 382, and permission of the Instructor. 3 periods weekly; 3 semester hours credit.

Associate Professor Daley

EARTH SCIENCE AND GEOGRAPHY

Professors Emanuel Maier, Chairman; Agrippina A. Macewicz; Associate Professors Ira E. Furlong, Howard F. Hirt; Assistant Professors Robert F. Boutilier, Ralph S. Fellows, Marilyn A. Furlong; Instructor Robert Dillman; Visiting Lecturers Leonard Solomon, Astronomy—Smithsonian Institution, Joseph Chase, Oceanography—Woods Hole Oceanographic Institution.

The Department of Earth Science offers two separate fields of concentration, Geography and Earth Sciences. The program of study for Geography Majors is designed to give a student knowledge and appreciation of the physical and cultural attributes of the world in which they live. The concentration in Earth Sciences aims to introduce students to the various sciences that relate to the physical aspects of the earth and the universe.

Students majoring in geography are required to take the following courses: ES 181, 182, 303, 304, 315, 362, 471, 473; elect two from the following group: ES 252, 451, 358, 361; elect two from the following group: ES 192, 301, 306, 484. An additional requirement is one course in elementary statistics (Math 110 or equivalent). A total of 36 semester hours are required. Not more than one “D” for a semester course shall be accepted for fulfillment of the requirements for the major.

Students majoring in the earth sciences are required to take the following courses: ES 181, 182, 192, 301, 302, 306, 372, 463, 484; elect two more approved earth science sources, consult catalog. Additional requirements are: one year of mathematics, one year of chemistry laboratory, and one of the following lab sciences: physics, biology. A total of 34 semester hours are required in the major. Not more than one “D” for a semester course shall be accepted to fulfill the requirements for the major.

Minors are available in both geography and the earth sciences. A program with a minimum of 18 hours is to be approved by the chairman of the Department.

Courses marked by an asterisk are credited toward Geography majors only.

ES 181. Physical Geology.

This course involves a study of the constitution of the earth to-
gether with an evaluation of the processes acting on and within it. Field trips are an integral part of the course. This course may be followed by either ES 182 or ES 192 in the second semester. 2 lecture periods and 1 two-hour laboratory period weekly; 3 semester hours credit; offered both semesters.

Staff

ES 182. Physical Geography.

In this course the characteristics, classification, origin, and distribution of the earth's physical phenomena such as atmosphere, climate, vegetation, and soils are studied as well as the distribution of populations. Emphasis is placed upon developing an understanding and appreciation of the relationships between the physical features of the earth and man. Field trips. Prerequisite: ES 181. 2 lecture periods and 1 two-hour laboratory period weekly; 3 semester hours credit. Offered both semesters.

Staff

ES 192. Historical Geology.

Historical Geology is a study of the major geological events on the earth as revealed by the structure and composition of the rocks and the evolution of the fossil record. Prerequisite: ES 182. 2 lecture periods and 1 two-hour laboratory period weekly; 3 semester hours credit.

Staff


In this course the fundamentals studied in ES 200 are applied in the analysis of geographic regions of Anglo-America. This course is designed to give familiarity with the methods of securing, organizing, and presenting geographical data. Prerequisite: ES 181, 182, or 200. 3 periods weekly; 3 semester hours credit.

Staff

ES 301. Astronomy 1.

The major concern of this course is a study of the earth, moon, planets, sun, and other stars and galaxies. Emphasis is placed on such topics as the new findings of radio astronomy and the uses of earth satellites. Day and evening observations. 3 periods weekly; 3 semester hours credit.

Mr. Solomon
ES 302. Astronomy II.

This is a continuation of ES 301 in the second semester. It will deal with stars, galaxies, stellar evolution, instrumentation, and cosmology. Day and evening observation. 3 hours weekly; 3 semester hours credit.

Mr. Solomon

ES 303. Meteorology I.

This is an introductory course in which atmospheric behavior, weather elements, and cyclonic phenomena such as hurricanes, tornadoes, and frontal circulations are analyzed. 3 periods weekly; 3 semester hours credit.

Assistant Professor Fellows

ES 304. Climatology.

A study will be made of climatic elements and climatic controls and their application to the analysis of climatic regions of the world. Prerequisite: ES 303. 3 periods weekly; 3 semester hours credit.

Assistant Professor Fellows

ES 305. Introduction to Oceanography I.

Survey of marine life forms and of the chemistry of seawater. Prerequisite: BI 110, 120, 3 semester hours credit; 3 periods weekly.

ES 306. Introduction to Oceanography II.

A study will be made of ocean water temperature, circulation, shore lines, ocean basins, and mineral resources. Prerequisite: MA 101, 102 or 103, 104. 3 periods weekly; 3 semester hours credit.


This course aims to train students in the graphic presentation of geographic data, and acquaint them in the latest techniques of map construction. 3 periods weekly; 3 semester hours credit.

Associate Professor Hirt

ES 353. *Urban Geography.

The geographic aspects of the city, including location, function, land use patterns, and tributary areas, will be analyzed. Prerequisite: ES 181, 182, or 200. 3 periods weekly; 3 semester hours credit.
ES 358. *Geography of Latin America.

In this course physical and cultural patterns of selected countries of South America are analyzed. Emphasis is placed on current economic and political problems. Prerequisite: ES 181, 182, or 200. 3 periods weekly; 3 semester hours credit.

Professor Maier

ES 361. *World Regional Geography.

This course deals with the geographical context of current social economic and political problems in Europe, the U.S.S.R., the Orient, the Middle East, the Pacific World, Africa, Latin America, and Anglo-America. The emphasis is on the geographical features characteristic of each country, and on their relationship to its role as a functioning political and economic unit. 3 periods weekly for two semesters. Either semester may be taken independently. 3 or 6 semester hours credit.

Associate Professor Hirt


In this course the mineral, plant, and soil resources of the world are studied with emphasis on their location and present and potential uses. Manufacturing regions and the transportation systems that link the various regions of the world are also considered. Prerequisite: ES 181, 182, or 200, or permission of instructor. 3 periods weekly; 3 semester hours credit.

Assistant Professor Furlong

ES 372. Mineralogy.

This course will present an introduction to crystallography followed by the determinative and physical mineralogy of important rock and ore forming minerals. Prerequisite: A knowledge of chemistry. 2 lecture periods and 2 two-hour laboratory periods weekly; 4 semester hours credit.

Assistant Professor Boutilier

ES 405. Meteorology II. (Synoptic)

This is a course in investigation of world and local air systems, air masses, and fronts. Weather maps, upperair charts, and basic forecasting techniques will be considered. Prerequisite: ES 303. 2 lecture periods and 1 two-hour laboratory period weekly; 3 semester hours credit.

Staff
ES 407. Air-Photo Interpretation.

A study will be made of the physical and cultural patterns on the earth's surface and their recognition on air photographs. 1 lecture period and 2 two-hour laboratory periods weekly; 3 semester hours credit.

ES 413. Survey of Physical and Historical Geology.

Topics covered will be the origin, structure, and history of the earth as revealed by its minerals, rocks, and fossils. 2 lecture periods and 1 two-hour laboratory. 3 semester hours of credit for Biology majors only.


This course is designed to give students an understanding and appreciation of the interrelationships among the various physical and cultural patterns of Europe. Prerequisite: ES 181, 182, or 200. 3 periods weekly; 3 semester hours credit.

Professor Macewicz

ES 452. *Geography of Asia.

In this course the physical and cultural patterns of selected countries of Asia are analyzed. Prerequisite: ES 181, 182, or 200. 3 periods weekly; 3 semester hours credit.

Professor Macewicz

ES 458. *Geography of Latin America.

In this course several countries of Latin America are selected and their physical and cultural patterns are analyzed. Emphasis is placed on current economic and political problems. Prerequisite: ES 181, 182, or 200. 3 periods weekly for one quarter; 1.5 semester hours credit.

Professor Maier

ES 461. *Geography of Africa.

The physical and cultural features of the African continent with special references to the emerging political and regional patterns are studied. 3 periods weekly; 3 semester hours credit.

Staff

Each of the physiographic provinces of North America will be studied in terms of their geomorphology and structural relationships. Prerequisite: ES 181. 3 periods weekly; 3 semester hours credit.

Staff

ES 463. Petrology.

This course is designed to help students develop skills involving rock classification and identification by both hand specimen and thin section techniques. Prerequisite: ES 181. 1 lecture period and 2 two-hour laboratory periods weekly; 3 semester hours credit.

Assistant Professor Boutilier

ES 464. Economic Geology.

This course considers the geochemical and physical processes that produce metallic and non-metallic mineral deposits. Prerequisite: ES 181. 3 periods weekly; 3 semester hours credit.

ES 466. Glacial Geology.

This course presents a detailed study of the mechanics of glacial origin and movement, and the features produced by glacial erosion and deposition. Emphasis will be placed on the Pleistocene Epoch in North America. Prerequisite: ES 181. 2 lecture periods and 1 two-hour laboratory period weekly; 3 semester hours credit.

ES 471. Seminar.

This course presents the historical development of the field of geography. Emphasis is placed on the development of an understanding and appreciation of the tools, techniques, and methods used in research in geography. The preparation of a research paper on a problem selected from one of the subdivisions of the field is required. 2 periods weekly for 3 quarters, or 3 periods weekly for one semester; 3 semester hours credit.

Professor Macewicz

ES 473. *Political Geography.

A study will be made of the variation of politically organized areas and their relationship to each other. Prerequisite: ES 181, 182, or 200 or permission of Instructor. 3 periods weekly; 3 semester hours credit.

Professor Maier
ES 475. Paleontology.

Topics covered will be a survey of the fossil record, introduction to invertebrate and vertebrate paleontology and paleobotany. Emphasis will be placed on the most important phyla. Prerequisite: ES 181, 192. 2 lecture periods and 1 two-hour laboratory period weekly; 3 semester hours credit.

ES 483. Structural Geology.

This course consists of a study of the architecture of the earth as related to rock structures, their origin, and description. Prerequisite: ES 181. 2 lecture periods and 1 two-hour laboratory period weekly; 3 semester hours credit.

ES 484. Geomorphology.

Emphasis will be placed on a study of the relationships between gradational and tectonic forces and the resulting surface configuration of the earth. Prerequisites: ES 181, 182. 3 periods weekly; 3 semester hours credit.

ECONOMICS

Associate Professor Daniel J. Noonan, Chairman; Assistant Professor Douglas L. Reed.


This will include an analysis of the central economic problems which nations face in organizing economic activity, and a comparison of theories and institutions of capitalism and liberal socialism. Attention is given to the elements of strength and weakness found in the economic systems of various countries. Open to Sophomores and Juniors with permission of Adviser. 3 periods weekly for one semester; 3 semester hours credit.

Assistant Professor Reed

EC 400. Economic Principles and Problems.

This course offers a concentrated study of significant economic concepts, institutions, and problems of a free enterprise system. Elective in Bachelor of Arts Program. Required for Bachelor of Science in Elementary Education. 3 periods weekly for one semester; 3 semester hours credit.

Staff

An introduction to the mechanics of the stock market is presented. Various investment media are analyzed in regard to their desirability for individual investment portfolios. Some attention is also paid to the investment policies of selected financial institutions. Elective with permission of the instructor. 3 periods weekly for one semester; 3 semester hours credit.

Not to be offered 1967-1968

To be announced

EDUCATION

Professor Stanley L. Clement, Chairman; Professors Robert D. MacCurdy; Associate Professors Joseph J. Corkery, John P. Deasy, W. David Englund, Evelyn R. Lindquist, Mercia C. Pike; Assistant Professors Anthony V. DeLeo, James F. Francis, Achille A. Joyal, Paul F. Kelley, Rita K. Nadal, Vincent J. Worden; Instructor Margaret E. Farrell.

Education Department Objectives

The Education Department strives to provide the student with the professional competencies necessary to become an effective teacher, including an understanding of how students learn, a knowledge of the principles and philosophical foundations of American public education, and an ability to use appropriate teaching procedures, materials, and evaluation techniques. The most important part of the teacher preparation program is the provision for student teaching in actual school situations. The Education Department assumes responsibility for the programs of students desiring to teach in elementary schools and provides a minor program for all college students who wish to earn teacher certification.

Specific Department Requirements

In addition to the general education requirements (See: Bachelor of Science in Elementary Education under "Degree Programs"), students majoring in elementary education must take the following courses in their discipline: ED 330, 350, 390, 420, 462, 480 and 490. Elementary majors must have a concentration in one of the following fields: English, Speech, Art, Music, Language, History, Urban Education, Biology, Earth Science, Chemistry, Physics, Physical Science, Mathematics, Library Science, Kindergarten-Primary, Special Education and Physical Education. This concentration will consist of at least nine semester hours credit beyond the general education requirements.
Education Minor

Students preparing to teach in secondary schools pursue a program leading to the degree of Bachelor of Arts with a minor concentration in Education. This education minor enables the student to receive a Secondary Teaching Certificate immediately upon graduation. Each student must complete a minimum of 18 semester hours of credit in professional education courses, 6 of which will be earned in student teaching in the senior year. The following courses are required for the minor: ED 310, 312-324, 420, 480 and 490.

EDUCATION

ED 102. College Orientation.

The purposes of this course are: to help the freshman student interpret his new environment; to aid him in making more efficient use of the tools and methods essential for study; and to encourage the development of a professional personality. Required of all Freshmen. 1 period weekly for one semester; 0 semester hours credit.

Assistant Professor Deep
Miss Drinkwater
Miss Ash

ED 202. Introduction to Elementary Education.

This course provides an orientation for students wishing to major in elementary education. The nature and purpose of the elementary school, as well as the variety of opportunities for elementary school personnel, are briefly explored. Help will be given in the choosing of a subject field concentration and elective subjects. Required of all Elementary Sophomores. 1 period weekly for one semester; 0 semester hours credit.

Staff

ED 310. Principles of Secondary Education.

The secondary school in a democratic society is examined in terms of its objectives, structures, and articulation with elementary and higher education. Its development is reviewed and a comparison is made to secondary education in other countries. Emphasis is placed on the history and philosophy of the secondary school, the nature of the learning process, and teaching methods. Special attention is given to planning, discipline, evaluating pupil progress, classroom management, and the meeting of individual differences. Required of all Secondary majors with an Education minor. 3 periods weekly for one semester; 3 semester hours credit.

Professor MacCurdy
Assistant Professor Kelley

61
   Assistant Professor Keay
   Assistant Professor Spence

   Associate Professor Joki

   Professor MacCurdy
   Assistant Professor Boutilier

   Professor MacCurdy
   Mr. Dillman

   Professor MacCurdy
   Associate Professor Weygand

   Professor Cirino
   Professor MacCurdy

ED 322. Teaching Mathematics in the Secondary School
   Professor MacCurdy
   Assistant Professor Lemos

   Assistant Professor Kelley
   Staff of the Modern Foreign Languages Department

The above courses are comparable in purpose and design, differing as application is made to a particular subject field. The main emphasis will be on the establishing of objectives, the choosing of appropriate content, procedures, and materials, and the techniques of planning necessary to accomplish the objectives. Other topics will include classroom organization and management, meeting of individual differences, evaluation and reporting of progress, and recent developments in methodology and subject matter. Prerequisite: Psychology 200. Appropriate course required of all Secondary majors with an Education minor. 3 periods weekly for one semester; 3 semester hours credit.
ED 330. Teaching of Reading in the Elementary School.

This course will consider how reading instruction is initiated, how basic reading abilities are developed, and how growth in voluntary reading is encouraged. The essentials of an effective developmental reading program will be examined with attention to organizing reading groups and evaluating progress. Prerequisite: Psychology 200. Required of all Elementary majors. 3 periods weekly for one semester; 3 semester hours credit.

Associate Professor Deasy
Assistant Professor Francis
Assistant Professor DeLeo

ED 340. Language Arts Materials and Methods in Elementary Education.

Stress is on providing for child growth in oral and written communication through developing the skills of spelling, oral language, and written language. Topics covered are: 1. objectives of the program; 2. knowledge and diagnosis of needs and instructional problems; 3. provision for individual differences through the selection and effective use of varied general and specific techniques and materials; 4. correlation of English with other subject areas; and 5. using varied instruments for evaluating and measuring materials and results. Prerequisite: Psychology 200. Required of all Elementary majors. 3 periods weekly for one semester; 3 semester hours credit.

Associate Professor Deasy
Assistant Professor Nadal


Through this course students become acquainted with the purpose and content of the contemporary elementary school mathematics curriculum. Emphasis is placed on a study of a wide variety of effective teaching procedures and instructional materials designed to meet the varying abilities within the elementary school classroom. Prerequisite: Psychology 200. Required of all Elementary majors. 3 periods weekly for one semester; 3 semester hours credit.

Associate Professor Lindquist
Assistant Professor Kent


This course treats the philosophy, importance and development of pre-school education. Opportunity is given for the study of how children learn to live together and gain the experience which will lay the foundation for a feeling of adequacy in a group and the new role of
school with rich experiences. Curriculum, methods, materials, and facilities are examined and evaluated. Prerequisite: Psychology 200. Required of all Elementary majors with Kindergarten-Primary Concentration. 3 periods weekly for one semester; 3 semester hours credit.

Miss Marks

ED 372. Success in Beginning Reading.

Theories and research in reading readiness, along with the different approaches to beginning reading currently being advocated, will be examined in order to determine the kinds of experiences and instruction most likely to insure that each pupil will meet with success in learning to read. Procedures and materials necessary for providing these elements of success will be identified and developed. Practical experience will be provided through an opportunity to work with primary pupils who need extra help in order to achieve this successful start. Prerequisite: Psychology 200. Required of all Elementary majors with Kindergarten-Primary Concentration. 3 periods weekly for one semester; 3 semester hours credit.

Assistant Professor Nadal

ED 374. Methods and Materials in Primary Education.

This course emphasizes the philosophy and importance of education in the primary grades and presents effective ways of vitalizing the teaching process at this level. Appropriate curriculum, methods, materials and facilities will be examined and evaluated. Prerequisite: Psychology 200. Required of all Elementary majors with Kindergarten-Primary Concentration. 3 periods weekly for one semester; 3 semester hours credit.

Assistant Professor Nadal

ED 390. Supervised Student Teaching in the Campus Schools.

The Campus Schools serve as laboratories in which students engage in the directed study of children in learning situations as they are encountered in a modern school. As the study progresses, students participate increasingly in the activities of the school to the point at which they can undertake the duties of the room teacher. Included in this course are several hours of weekly conferences with the supervising teachers and weekly seminars with specialists in the fields of art, music, speech, and physical education. Prerequisite: Psychology 200. Required of all Elementary majors. 1 half day for one semester; 6 semester hours credit.

Staff
ED 420. Educational Measurement.

Included in this course is an examination of the development of the testing, measurement, and evaluation movement. A review and evaluation of tests and other evaluative methods needed for the measurement of mental maturity and educational growth in the student's field of specialization, and a study of elementary statistical procedures necessary for their interpretation complete the course offerings. Prerequisite: Psychology 200. Required of Elementary majors and all Secondary majors with an Education minor. 3 periods weekly for one semester; 3 semester hours credit.

Assistant Professor Worden

ED 433. Introduction to Guidance.

Emphasis will be placed on the philosophy and historical development of the guidance movement, the need for guidance, the nature of guidance services in the schools of today, the personnel, facilities, and procedures involved, and the role of the classroom teacher in guidance. Open to all Seniors. 3 periods weekly for one semester; 3 semester hours credit.

Associate Professor Dooley


Emphasis is placed on the purposes of modern secondary school education and the essential features of the curriculum needed to implement them. Topics will include organization, historical development, factors affecting trends and issues, core curriculum, planning curriculum guides and organization and participation in curriculum evaluation and revision. Open to all Seniors. 3 periods weekly for one semester; 3 semester hours credit.

Professor Clement

ED 454. Seminar in Elementary Education.

This course provides a culmination of all professional experiences in preparation for teaching. Included are a review and evaluation of current elementary school practices, discussion of professional ethics and school law, professional growth opportunities, procedures for securing a teaching position, and preparation for and the responsibilities of the first teaching position. Open to all Senior Elementary majors. 3 periods weekly for one semester; 3 semester hours credit.

Associate Professor Pike

Staff
ED 452. Science and Social Studies Methods and Materials in Elementary Education.

This course will acquaint students with a working knowledge of the methods, devices, and activities appropriate to achieving the objectives of the science and social studies curriculums in the elementary school. Emphasis is placed on current trends, newer programs, current elementary school textbooks, problem-solving techniques, the varied instructional media, and activities essential to the successful achievement of these important goals. Prerequisite: Psychology 200. Required of all Elementary majors. 3 periods weekly for one semester; 3 semester hours credit.

Miss Farrell

ED 480. Philosophy of Education.

Through research and discussion, students are expected to analyze and relate the metaphysical, epistemological, ethical, and social theories of philosophy to education theories and practices. Prerequisite: Philosophy 380. Required of all Elementary majors and all Secondary majors with an Education minor. 3 periods weekly for one semester; 3 semester hours credit.

Associate Professor Englund
Assistant Professor Joyal

ED 490. Supervised Teaching in the Public Schools.

This period provides opportunity in the public schools for continuous supervised experiences in all classroom activities under regular classroom conditions. Experience is gained in the study of individual differences, teaching techniques, and classroom management. Supervision is given by the classroom teacher and by members of the college faculty. Students are expected to carry a minimum responsible teaching load equal to 50% of the regular classroom teacher's assignment. Full time for one quarter. Required for all Elementary majors and all Secondary majors with an Education minor. 6 semester hours credit.

Staff

ENGLISH

Professor Harold G. Ridlon, Chairman; Professor Samuel N. Sheinfeld; Associate Professors Barbara A. Chellis, Joseph De Rocco, M. Frances Guerin, Virginia Joki; Assistant Professors Harold F. De Lisle, Mary Jarvis, Katherine Lomax, James K. Nerney, Joseph B. Yokelson; Instructors Katherine Danneman, Karen Figdon, Dennis Flynn, Francis R. McLellan, Robert B. Parker, Daryl J. Schoenknecht.
The program of study for English majors aims to give students an acquaintance with the history and background of English and American literature, an understanding of great literary works, and the ability to analyze, interpret, and appreciate what they read.

A grade of C or above in EN 101, 102 is a prerequisite for continuation as an English major. Students majoring in English should take the following courses: EN 200, or its equivalent in composition above the elementary level; 221; 300; 331 or 332; 341 or 342. At least three electives must be chosen to bring the total for the major to 24 credits (not including the general education requirements of 101, 102, 211, 212).

Certain elective courses, listed below with an asterisk, may be given on a quarterly basis, carrying four semester hours credit for a full semester's work, or two semester hours for a terminal quarter's work. When this occurs, the numbering for such courses will be as follows: 330(328,329); 340(338,339); 350(348,349); 353,354(355, 356); 360(358,359); 365(363,364); 370(368,369); 380(378,379); 386(384, 385); 390(388,389); 392(393,394); 395(396,397); 400(401,402).

EN 101, 102. English Composition.

The major objectives of English Composition are to make the student aware of the possibilities of written expression, to instill in the student a sense of responsibility about the use of language, and to provide frequent directed practice in expository prose. In the first semester, the emphasis will be on the study of language and the improvement of writing skills; in the second semester, the emphasis will be on critical writing based on selected readings. Advanced placement is possible in this course. EN 101 is prerequisite to EN 102. 3 periods weekly; 3 semester hours credit for each semester.

Staff

EN 200. Advanced Composition.

Expository writing is taught through frequent practice, analysis of models, and criticism by instructor and students. 3 periods weekly; 3 semester hours credit.

Staff

EN 211, 212. Literary Classics of Western Civilization.

Classic literature of Western Civilization will be studied in relation to historical background, but with particular emphasis on literary values. Among the works to be read are Homer's Iliad, tragedies of Aeschylus, Sophocles, and Euripides, Dialogues of Plato, selections
from the Bible, Vergil’s Aeneid, Dante’s Inferno, Chaucer’s Canterbury Tales, Cervantes’ Don Quixote, plays by Shakespeare, Moliere, Goethe, and Shaw, and one or more modern novels. 3 periods weekly; 3 semester hours credit for each semester.

EN 221, 222. Major English Writers.

This course will emphasize the major figures of English literature from Anglo-Saxon times to the modern period. Authors will be studied in relation to historical background but with particular stress on literary values. 3 periods weekly; 3 semester hours credit for each semester.

EN 230. Creative Writing.

This course provides the opportunity for work of a highly individual and creative nature, in fiction, non-fiction, verse, or drama. Suitable models for various genres will be studied, and frequent conferences will be held. 3 periods weekly; 3 semester hours credit.

Assistant Professor DeLisle

EN 231, 232. Major American Writers.

A general survey of American Literature from the Colonial beginnings to the present. Writers such as Franklin, Edwards, Irving, Poe, Hawthorne, Emerson, Whitman, Dickinson, Twain, James, Frost, Eliot, Faulkner, and Hemingway will be studied in their social and cultural contexts. 3 periods weekly; 3 semester hours credit for each semester.

Staff

EN 280 Journalism.

Students will be helped to develop skills in copyediting and proofreading with special emphasis given to objective news story writing. Some attention will be given to dramatic criticism and sports writing. The workshop approach will be used. 2 periods weekly; 2 semester hours credit.

Associate Professor Chellis

EN 300. The History and Structure of the English Language.

The changes in the structure of the English language from Anglo-Saxon to modern English will be studied with attention to pertinent
historical background. There will be an introductory study of structural linguistics and generative grammar. 3 periods weekly; 3 semester hours credit.

Professor Sheinfeld

EN 320. Chaucer.

This course is an introduction to Chaucer's life, times, and language. Although emphasis will be placed on the Canterbury Tales, other works will be examined less thoroughly. 3 periods weekly; 3 semester hours credit.

Professor Sheinfeld


This course is designed to acquaint the student with the major literary trends in American writing of the twentieth century. The course focusses primarily on the novel, with examples from Dreiser, Hemingway, Fitzgerald, Lewis, Wilder, K. A. Porter, and Salinger. 3 periods weekly; 3 semester hours credit.

Assistant Professor Yokelson

EN 331, 332. United States Literature through the Nineteenth Century.

In the first semester, the writings of the Puritans, Cooper, Brown, Poe, Emerson, Thoreau, Whitman, and Dickinson will be discussed; in the second semester, emphasis will be given to the novels and tales of Hawthorne, Melville, Twain, and James. 3 periods weekly; 3 semester hours credit for each semester.

Associate Professor Chellis

EN 335. Elizabethan and Jacobean Drama.

Reading and discussion of a number of plays with attention to contemporary social developments as well as to the historical development of the English Play.

Mr. Flynn


This course in the non-dramatic literature of the Age of Shakespeare will include the reading of works by such writers as Sidney, Spenser, Nashe, Marlowe, and Drayton. Although the emphasis will be on textual analysis, the historical, social, and cultural background of the period will also be examined. 3 periods weekly; 3 semester hours credit.

Professor Ridlon
EN 341, 342. *Shakespeare.*

In this course selected plays of Shakespeare will be studied. In each quarter three plays, generally two tragedies and one comedy, will be read with attention to both language and thought. 3 periods weekly; 3 semester hours credit for each semester.

Professor Sheinfeld


This course entails a selective survey of major contributors to the English novel from Joseph Conrad through the school of the "Angry Young Men." Major attention will be given to the analysis of specific texts. 3 periods weekly; 3 semester hours credit.

Assistant Professor Yokelson

EN 353, 354. *Modern Drama.*

This course will consider the main forces in modern drama. Starting with Ibsen, students will read and discuss selected plays of leading dramatists of Europe and America. 3 periods weekly; 3 semester hours credit for each semester.

Associate Professor Guerin


This course will concentrate on the major novelists of the 19th century: Dickens, Thackeray, Eliot, Meredith, and Hardy. Attention will be given to biographical and historical background. 3 periods weekly; 3 semester hours credit.

Professor Sheinfeld


The major emphasis will be placed upon the poetry of Tennyson, Browning, and Arnold, but the works of other 19th century poets such as Hopkins and Hardy will also be read and discussed. The essays of Carlyle, Arnold, Newman, Huxley, and others will also be studied. 3 periods weekly; 3 semester hours credit.

Assistant Professor DeLisle
Assistant Professor Nerney

EN 370. *Seventeenth Century Literature.*

This course is an introduction to the prose and poetry of the Seventeenth Century in England, exclusive of Milton. Such writers as
Donne, Jonson, Bacon, Burton, Browne, and Dryden will be examined, and various persistent elements, such as the classical influence, will be explored. 3 periods weekly; 3 semester hours credit.

Professor Ridlon


In this course the emphasis will be placed on the main poetical works of Milton: Paradise Lost, Paradise Regained, and Samson Agonistes. However, certain of the minor poetic works, as well as selected prose will be read also. Prerequisite: Permission of the instructor. 3 periods weekly; 3 semester hours credit.

Professor Ridlon

EN 383. Modern Irish Literature.

This course will include Irish writing from 1890 to the present, with special emphasis on the works of Yeats, Synge, O'Casey, Joyce, O'Connor, and O'Faolain. 3 periods weekly; 3 semester hours credit.

Assistant Professor Gannon


In this course the chief works of Wordsworth, Coleridge, Byron, Shelley, and Keats will be studied. Emphasis will be placed on textual analysis, but consideration will be given to historical background and to developments in philosophy and esthetic theory which have a direct bearing on Romantic poetry. 3 periods weekly; 3 semester hours credit.

Associate Professor DeRocco

EN 390. *Literary Criticism.

This course will serve as an introduction to the history of literary criticism from Aristotle to the present. Emphasis will be placed, however, on those persistent esthetic, psychological, social, and cultural patterns which have helped shape the literature of our own age. 3 periods weekly; 3 semester hours credit.

Associate Professor DeRocco

EN 391. Modern Literary Criticism.

This course will explore several twentieth-century critical approaches to literary analysis, interpretation, and evaluation. Particular attention will be given to literary concepts derived from
psychoanalysis, sociology, anthropology, semantics, philosophy, and theology. Such topics as existentialist criticism, the "new criticism," and the theory of myth and symbol will be considered. 3 periods weekly; 3 semester hours credit.

Associate Professor DeRocco


This course covers the major British and American poets of the 20th century with particular emphasis on the works of Hopkins, Yeats, Robinson, Eliot, Auden, and Thomas. 3 periods weekly; 3 semester hours credit.

Associate Professor Joki

EN 395. Eighteenth Century Literature.

This course will concentrate on the writings of several major literary figures, such as Swift, Boswell, Johnson, Defoe, Fielding, and Richardson. 3 periods weekly; 3 semester hours credit.

Associate Professor Chellis

EN 400. *Techniques of Literary Research.

This course offers training in research procedures, with special reference to the materials and methods of literary study and publication. Various critical approaches to literature will be examined, and some evaluation of scholarly procedure will be made. 3 periods weekly; 3 semester hours credit.

Professor Ridlon

EN 492. Reading and Research.

This course offers the opportunity for independent study under the guidance of individual members of the department. To be considered for admission, one must be a senior of honor standing and must submit a general proposal for a topic or area of study. Credit arranged.

Staff

EN 495. Seminar.

The topics explored and the areas covered in this course will vary from year to year. In 1967-68, the topic will be "Approaches to Shakespeare," in which a few Shakespearean plays will be studied intensively, and from several different critical points of view.

Professor Sheinfeld
HEALTH AND PHYSICAL EDUCATION FOR MEN

Associate Professor Harry A. Lehmann, Chairman; Associate Professor Edward C. Swenson; Assistant Professor Thomas A. Knudson; Instructor Peter Mazzaferro.

This department offers practice and theory courses designed to improve physical fitness, provides experience in a variety of team and individual activities, and develops basic concepts in health, first aid, and physical education. The opportunity is provided for men to participate in a variety of intramural and intercollegiate athletic activities and to prepare for coaching several team sports.

All men in the Bachelor of Arts Curriculum are required to complete successfully the following courses: HPE-M 110, 123 or 124, 223 and 224. All men in the Bachelor of Science curriculum are required to complete successfully the following courses: HPE-M 110, 123 or 124, 223, 224, 230, and 300.

HPE-M 110. Personal Health.

This course is designed to enable the student to develop principles of good health based on scientific research. It provides for the study of health as it concerns the adult; common attitudes and practices and their importance in happy and effective living, significant diseases, and public health responsibilities. 2 periods weekly; 2 semester hours credit.

Associate Professor Lehmann

HPE-M 123, 124. Physical Education Activities for Freshmen.

This course is designed to improve physical fitness and to help the individual student to develop fundamental skills, knowledge and appreciation of physical education activities. Individual, team activities and aquatics are included in the course. 2 periods weekly for each semester; no credit.

Staff

HPE-M 223, 224. Physical Education Activities for Sophomores.

Continued emphasis is placed on physical fitness and the development of fundamental skills. Aquatics and other activities of a recreational nature are stressed. 2 periods weekly for each semester; no credit.

Staff

HPE-M 230. Standard First Aid.

Emphasis is placed on the prevention of accidents as well as on the immediate treatment of injuries and illnesses. Upon satisfactory
completion of the course, students will receive the American Red Cross Standard First Aid certificate. The course is open to Bachelor of Arts students on an elective basis. 1 period weekly; 1 semester hour credit.

Associate Professor Swenson

HPE-M 300. Orientation in Health and Physical Education.

This course is designed to acquaint students preparing for teaching careers with the role of health and physical education in the public school curriculum. Emphasis is placed on the health and physical education program in the elementary school and on the intramural and interscholastic program at the secondary school level. This course is open to Bachelor of Arts students during the junior or senior year on an elective basis. 1 period weekly; 1 semester hour credit.

Mr. Deep

HPE-M 301. Methods and Techniques in Coaching Football.

This course is designed to prepare students to assume football coaching responsibilities in the public schools. Emphasis is placed on fundamental skills and on offensive and defensive team play. Prerequisite: permission of the instructor; open to Juniors and Seniors. 2 periods weekly for one quarter; 1 semester hour credit.

Associate Professor Swenson

HPE-M 302. Methods and Techniques in Coaching Baseball.

This course is designed to prepare students to assume baseball coaching responsibilities in the public schools. Emphasis is placed on batting, pitching, and the fundamentals needed at all other positions. Offensive and Defensive team play is also covered. Prerequisite: Permission of the Instructor; open to Juniors and Seniors. 2 periods weekly for one quarter; 1 semester hour credit.

Associate Professor Lehmann

HPE-M 310. Methods and Techniques in Coaching Basketball.

This course is designed to prepare students to assume basketball coaching responsibilities in the public schools. Emphasis is placed on fundamental skills and on offensive and defensive team play. Prerequisite: permission of the Instructor; open to Juniors and Seniors. 2 periods weekly for one quarter; 1 semester hour credit.

Mr. Knudson
HPE—M 320. Methods and Techniques in Coaching Soccer and Track and Field.

This course is designed to prepare students to assume coaching responsibilities in soccer and track and field in the public schools. Emphasis is placed on soccer fundamentals and team play and on coaching the various track and field events. Prerequisite: permission of the Instructor; open to Juniors and Seniors. 2 periods weekly for one quarter; 1 semester hour credit.

Associate Professor Swenson

HEALTH AND PHYSICAL EDUCATION FOR WOMEN

Professor Mary J. Moriarty, Chairman; Assistant Professors Patricia A. Phillips, Mary Lou Thornburg; Instructors Ann O. Coakley, Regina M. Gross, Shirley J. Krasinski, Marjorie A. Rugen, Margaret Romero, Hazel M. Schopp, Johanne M. Smith, Mildred R. Wellman, Carol A. Wolfgram.

The Department of Health and Physical Education for Women offers instruction in recreational skills, physical conditioning, and health for all college women. Regular participation in activities is encouraged through required courses and extra-class activities in order that the student may develop interest and skills that she can enjoy in her leisure time.

The Department of Health and Physical Education offers a professional curriculum in Health and Physical Education for Women. The student completing this course receives a Bachelor of Science in Education degree, with a major in Health and Physical Education. The basic program is planned to satisfy the needs of the student who will teach in the public schools; it includes sufficient work in health education to enable her to qualify for positions which require the teaching of both physical education and health education. Through varied activities in the classrooms, the gymnasium, and the playing fields, the students are given the opportunity to acquire scientific knowledge, specialized skills, principles and evaluative procedures.

HPE—W 110. Personal Health.

The aim of this course is to help the freshman student develop standards and principles of good health for the adult. It provides for study in the following areas: 1) attitudes and practices as they influence effective living; 2) common adult health problems; 3) community health service and adult responsibility. 2 periods weekly for one semester; 2 semester hours credit.

Assistant Professor Phillips
Mrs. Wellman
HPE-W 123, 124. Physical Education Activities for Freshmen.

This course includes swimming, sports, and dance activities. 2 periods weekly for one semester; no credit.

Miss Coakley
Staff

HPE-W 220. Methods and Materials and First Aid.

First Aid is given, with emphasis upon the responsibility of the public school teacher and leader of physical activities. Methods of conducting a physical education program to meet the needs, interests, and abilities of elementary school children are presented to elementary education majors. An opportunity to observe and work with children from the College Laboratory School is provided. 2 periods weekly; 2 semester hours credit.

Mrs. Schopp
Miss Rugen

HPE-W 223, 226. Physical Education Activities for Sophomores.

Continued emphasis is placed on physical fitness through participation in team sports, dance activities, and swimming. 2 periods weekly for each semester; no credit.

Miss Coakley
Staff

HPE-W 410. School Health and Safety Education.

A brief study is made of human growth and development with special reference to the needs of the child in relation to his health and physical activity. The responsibility of the school in meeting these needs is analyzed and the total program in health and safety is studied with emphasis on the part played by the classroom teacher. Methods and materials for teaching at various grade levels are studied in light of educational philosophy, principles, and objectives. 2 periods weekly; 2 semester hours credit.

Assistant Professor Phillips

MAJOR CURRICULUM IN HEALTH AND PHYSICAL EDUCATION FOR WOMEN

HPE-W Physical Education Activities for Freshmen.

Team and individual sports: basketball (131), field hockey (133), lacrosse (128), soccer (138), and badminton (126); rhythmic activities:
creative rhythms (141), folk dance (142), modern dance (144), and square dance (149); gymnastics (106); swimming (125); track and field (127). Beginning skills and techniques of play are emphasized in the team and individual sports classes. Creative rhythms involves movement exploration with rhythmic accompaniment for the elementary school level. Folk dance introduces the steps and teaching techniques of dances of the other lands for elementary school level. Modern dance involves basic dance techniques and the creation of single dances. Square dance introduces the structure, formation, and current basics and figures used in apparatus skills with the important safety factors. Swimming follows the American Red Cross progressions according to individual ability. Track and field introduces all events as well as analyzing skills, techniques of teaching, and the conduct of a meet. 6 periods weekly for 2 semesters; 6 semester hours credit.

Staff

HPE-W 151. Personal and Community Health.

This course helps the student develop standards and principles of good health for the adult. It provides for study in the following areas: 1) attitudes and practices as they influence effective living; 2) common adult health problems; 3) community health standards and services; 4) special problems of concern in the area of community health to a democratic society. 3 periods weekly; 3 semester hours credit.

Assistant Professor Phillips

HPE-W 161. Introduction to Physical Education.

This is a comprehensive freshman course providing basic information concerning the scope and significance of physical education as a profession. 2 periods weekly; 2 semester hours credit.

Miss Coakley


This course includes a fundamental study of the human body and its parts, with special emphasis on bones, muscles, and tissues. 171 is prerequisite to 172. 2 periods weekly for 2 semesters; 4 semester hours credit.

Professor Moriarty

HPE-W 223, 226. Physical Education Activities for Sophomores.

Team and individual sports: tennis (228), softball (238), badminton (226), and lacrosse (246); rhythmic activities: Folk dance (241), modern dance (244); gymnastics (202; and games (211). Tennis and
softball introduce beginning skills and techniques of play. Badminton emphasizes advanced skills, strategy in both singles and doubles play, and teaching techniques. Lacrosse continues the development of skills, elements of team play and strategy, and teaching techniques. Folk dance introduces steps and teaching techniques of dance of other countries for the secondary level. Modern dance includes advanced dance techniques and the beginning elements of composition. Gymnastics continues the development of basic and intermediate tumbling and apparatus skills and safety factors with increased emphasis on teaching techniques. Games presents the skills and teaching techniques for games of low and high organization at both the elementary and secondary school levels. Prerequisites: Badminton (126), lacrosse (148), folk dance (142), modern dance (144), gymnastics (106). 4 periods weekly both semesters; 4 semester hours credit.


A study is made of the responsibility of the school for the health education of the growing child with emphasis upon the role of the teacher. Emphasis will be placed upon selection of health content based on the needs of the child and the analysis of the learning and teaching process as applied to health in the light of the modern educational philosophy. The development of safety consciousness as well as skill in caring for injuries will be covered. 3 periods weekly; 3 semester hours credit.

Assistant Professor Phillips

HPE—W 261. Officiating.

General techniques of officiating are included with emphasis on field hockey and basketball. Practical as well as theoretical examinations are included with opportunities to earn recognized ratings. Prerequisites: field hockey (133) or permission of the instructor. 4 periods weekly; 3 semester hours credit.

Assistant Professor Thornburg

HPE—W 265. Elementary Physical Education.

This course suggests techniques and methods for teaching appropriate activities at the different grade levels. Practical application of teaching principles is carried on, using elementary grade classes from the College Laboratory School. 4 periods weekly; 3 semester hours credit.

Professor Moriarty
Physical Education Activities for Juniors.

Team and individual sports: golf (321), tennis (328), basketball (332), and field hockey (333); swimming (323); gymnastics (308); square dance (347); and an opportunity to elect an activity (348). Golf stresses skill development and teaching techniques. Tennis includes advanced skills, strategy in singles and doubles play, and teaching techniques. Field hockey and basketball develop team play, strategy, advanced skills, and coaching techniques. Swimming continues the individual skill development. Gymnastics emphasized teaching the intermediate level and the composition of routines in all areas. Square dance presents opportunities for the student to learn to call basics with stress given to voice, styling, timing, and techniques of teaching. Prerequisites: tennis (228), basketball (131), field hockey (133), swimming (125), gymnastics (106, 202), square dance (149). 4 periods weekly both semesters; 4 semester hours credit.

Staff

HPE-W 352. Adapted Physical Education.

This course is designed to introduce to the student the teaching techniques and the adaptation of physical education activities to meet the needs, interests and abilities of handicapped children and to provide information pertaining to the nature of some of the common types of handicapping conditions. Practical application will be offered using classes from nearby schools and hospitals. 4 periods weekly; 3 semester hours credit.

Miss Smith


The learning patterns, educational philosophies, and modern principles of concern to the secondary school physical education teacher are explored. Observation experiences of several types are provided. Prerequisite: Elementary School Physical Education (HPE 265) 3 periods weekly; 3 semester hours credit.

Assistant Professor Thornburg

HPE-W 367. Evaluation in Physical Education.

Through the evaluation and use of a variety of tests, the student learns to apply the fundamental principles of measurement in physical education. Opportunities are provided for the administration and scoring of tests as well as interpretation and practical application of the tests results. 4 periods weekly; 3 semester hours credit.

Professor Moriarty
Miss Wolfgram

This course includes detailed analyses and the application of anatomical knowledge and mechanical principles to fundamental muscular movements in athletic and rhythmic activities. 3 periods weekly; 3 semester hours credit.

Professor Moriarty

HPE-W ED. 390. Supervised Student Teaching in the Campus Laboratory School.

Students engage in supervised teaching experiences in the major areas of physical education for elementary school children during a weekly laboratory period. Units of skill learning are developed and structured to correlate with the physical education program at the campus school. Open to Juniors majoring in Health and Physical Education. 3 periods weekly for one semester; 3 semester hours credit.

Staff

HPE-W Physical Education Activities for Seniors.

Team and individual sports: archery (425), volleyball (439), bowling (444), golf (422); gymnastics (405); and three electives (446, 447, 448). Bowling emphasizes basic skills and scoring techniques of candlepin bowling with an exposure to duckpin and ten pin bowling. Volleyball involves basic and advanced skills, scoring, officiating, strategy, and teaching techniques. Gymnastics is oriented for the beginning teacher with emphasis on teaching progressions and coaching techniques. Golf II provides an opportunity to employ the basic skills on a golf course. Archery includes beginning skills and teaching techniques. Prerequisites: golf (321); gymnastics (106, 202, 308). 4 periods weekly both semesters; 4 semester hours credit.

Staff

HPE-W 451. School Health Administration and Safety.

Emphasis is placed upon the school personnel's responsibility for providing a healthful environment, good health services, and adequate instruction in health education. The organization and content of the program in health are studied and discussed. The need for health guidance to meet the needs of all the children including exceptional children, is stressed. 3 periods weekly; 3 semester hours credit.

Professor Moriarty

HPE-W 465. Administration and Supervision of Physical Education.

The philosophies, policies and procedures of the organization,
administration and supervision of physical education programs are discussed. Special attention is given to pertinent problems of the contemporary physical educator. 2 periods weekly for 3 quarters; 3 semester hours credit.

Miss Coakley

HPE-W 467. Problems in Health and Physical Education.

Research techniques are introduced and opportunities are provided to utilize these techniques through individual projects. Both oral and written presentations are made on current topics in health and physical education. 2 periods weekly for 3 quarters; 3 semester hours credit.

Miss Coakley

HPE-W 471. Physiology of Exercise.

This course includes the study of the function of various body systems their interrelationships, and adjustment during exercise. Current research is incorporated in the study of fatigue, training, and fitness. An opportunity for individual investigation of problems of interest if offered. 3 periods weekly for 1 semester; 3 semester hours credit.

Assistant Professor Thornburg

HISTORY AND POLITICAL SCIENCE

Professor Jordan D. Fiore, Chairman; Commonwealth Professor Annabelle Melville; Professors Ralph S. Bates, Jane Herrick, Stephanie O. Husek; Associate Professor William R. Cole, Jr.; Assistant Professors John N. Chandler, Gerald J. Doiron, Donald L. Keay, Mary Noel, Arthur C. Oien, Maurice Rotstein, Benjamin A. Spence; Instructors Guy C. Clifford, Donald M. Jacobs.

The department of History and Political Science has four objectives: 1) to make an effective contribution to the general education program by offering history courses to all students in the first two years; 2) to give adequate preparation for students planning to teach history on the secondary level; 3) to provide a breadth in history which will enable students to do graduate work in the field of history; and 4) to offer enough advanced courses in history to students who are majoring in the elementary curriculum to enable them to enrich the program of teaching history at that level.
HI 111. Western Civilization to 1715.

This course surveys Western civilization from ancient times to 1715. Ancient peoples are considered in the light of their contributions to civilization. From the fall of Rome to the eighteenth century, emphasis is placed upon the following subjects: the rise of the Christian Church; the Middle Ages, Christian and Feudal; the Byzantine World; the Moslem World; the Holy Roman Empire; the development of state systems and the struggles for power; the Renaissance; the Protestant and Catholic Reformations. 3 periods weekly; 3 semester hours credit.

Staff

HI 112. Western Civilization since 1715.

Beginning with the rise of parliamentary control in England and the old regime in France this course is concerned with: the rise of Prussia; the Westernization of Russia; the growth of science and the spread of industrialism; eighteenth and nineteenth century thought; the enlightenment; the age of revolutions; the new nationalism and imperialism of the nineteenth century; the two World Wars; internationalism and world organization. Prerequisite: HI 111 (Western Civilization to 1715). 3 periods weekly; 3 semester hours credit.

Staff

HI 221. United States History and Constitutions to 1865.

The growth of the United States is examined from the discovery of America to the end of the Civil War. The following topics are studied: the age of exploration and discovery; the English colonial and provincial periods; the age of the American Revolution; the Constitutions of the United States and of the Commonwealth of Massachusetts; the early national period; Jeffersonian democracy; the age of Andrew Jackson; westward expansion, sectionalism, and slavery; the causes of and the course of the Civil War. 3 periods weekly; 3 semester hours credit.

Staff

HI 222. United States History since 1865.

This course continues the study begun in HI 221. The following topics are studied: reconstruction; problems of economic expansion from 1865 to 1900; financial and monetary problems; the United States as a world power; the Progressive era; and political, military, and economic history of the twentieth century. 3 periods weekly; 3 semester hours credit.

Staff
HI 271. Introduction to Political Science.

This course provides a consideration of the definitions, theoretical foundations, and historical evolution of the principles of politics. The fundamental concepts in political science are examined: state, politics, law, and a general analysis of the place of government in modern society. 3 periods weekly; 3 semester hours credit.

Mr. Clifford


The Constitution of the United States is studied in detail as the basis of the Federal System. Topics of study include the development of the democratic process in America, the organization, power, procedures, function, services, and finances of the United States government. 3 periods weekly; 3 semester hours credit.

Mr. Clifford

HI 315. Nineteenth Century Europe.

This course is primarily concerned with the political, social, and intellectual development in the principal countries of Europe from the rise of Napoleon to the end of the century. 3 periods weekly; 3 semester hours credit.

Professor Husek

HI 316. Twentieth Century Europe.

This course is concerned with the causes of World War I, the course of the war and its aftermath, Political and social development and economic and ideological trends between the wars will be studied. World War II and post-war international relations will be covered, 3 periods weekly; 3 semester hours credit.

Professor Husek

HI 317. British Political History Since 1603.

This course concerns itself with the political development of England and the British empire from the accession of the Stuarts to the present day. Chronologically parallel to the survey of American history, the course stresses those factors which show the relationship of American-British development of modern times. Although primarily concerned with political factors, this survey does not exclude economic and social factors, particularly when the history of ideas is at issue. 3 periods weekly; 3 semester hours credit.

Commonwealth Professor Melville
HI 318. British Empire and Commonwealth.

The development of British imperial policy and colonial problems for the eighteenth century to the present will be covered. Emphasis will be placed upon British-Indian relations, British imperialism in Africa, and the development and aims of the commonwealth as an institution. 3 periods weekly; 3 semester hours credit.

Commonwealth Professor Melville

HI 319. Topics in British History.

This course is designed primarily to serve the needs of majors in English for an understanding of political and social forces which have affected the development of English literature. 3 periods weekly; 3 semester hours credit.

Mr. Jacobs

HI 321 Recent American History.

The development of modern America through the isolationism and boom of the 1920's, the Great Depression, the New Deal, World War II, and the role of the United States in world affairs in the post-war era will be considered. 3 periods weekly; 3 semester hours credit.

Assistant Professor Spence

HI 333. Latin America: The Colonial Period.

This course is concerned with the development of Spanish and Portuguese civilization in Latin America in the period between the discovery of America and the successful revolts against Spain early in the nineteenth century. 3 periods weekly; 3 semester hours credit.

Professor Herrick

HI 334. Latin America: The National Period.

This course studies the Latin American countries from the time that they achieved independence to the present. Prerequisite: HI 333 (Latin America: The Colonial Period). 3 periods weekly; 3 semester hours credit.

Professor Herrick

HI 343. Ancient World to 336 B.C.

A study of prehistoric times, the early civilizations, and Greece from the Bronze Age to the death of Alexander the Great will be offered. 3 periods weekly; 3 semester hours credit.

Assistant Professor Noel
Hl 344. Roman History.

This course covers the history of Rome from ancient times to the reign of Justinian. Emphasis will be placed on the expansion of Rome from city to empire; the Hellenistic East; imperial administration and law; the origin and spread of Christianity; the decline of the Empire and the raids of the barbarians. 3 periods weekly; 3 semester hours credit.

Assistant Professor Noel

Hl 353. Historiography.

This course is concerned with the development of historical writing; the interpretation of history as illustrated by major historians; the evaluation of historical writings through professional journals and the method of the book review. Membership in the course is limited to fifteen. Students are admitted with the consent of the Department Chairman and the Instructor. Students who complete this course are expected to elect HI 354 (Study and Writing of History) 3 periods weekly; 3 semester hours credit.

Commonwealth Professor Melville

Hl 354. Study and Writing of History.

This course is concerned with the development of the techniques of historical research and the preparation of papers which require these techniques. Varieties, analysis, and evaluation of source material will be stressed. Prerequisite: HI 353 (Historiography) or its equivalent. Students are admitted with the consent of the Departmental Chairman and the instructor. 3 periods weekly; 3 semester hours credit.

Commonwealth Professor Melville

Hl 411. History of Russia.

This course provides a survey of the early period as background for the emergence of modern Russia. Emphasis is placed on the political, economical, social, and intellectual developments which resulted in the establishment of the Soviet state. An analysis of available evidence for a better understanding of the political structure and the domestic and foreign policies of the present regime is also offered. 3 periods weekly for one and one-half semesters; 4.5 semester hours credit.

Professor Husek

Hl 413. Contemporary Affairs.

Current sociological, economic, political, military, and scientific events are studied in publications and by means of television and radio broadcasts. The course attempts also an evaluation of the impact of science on contemporary society. 3 periods weekly; 3 semester hours credit.

Professor Bates
HI 421. History of Massachusetts.

In this course the English background of the Pilgrims and Puritans, the Plymouth Colony and Massachusetts Bay settlements, Puritanism and the Massachusetts theocracy, Massachusetts in the Provincial Period, and the American Revolution will be studied. In addition to a consideration of political history, Massachusetts is studied in the national period in terms of constitutional development, population shifts, industrial growth, the effects of immigration, and the economic changes of the twentieth century. The organization of the state government and the constitution are also studied. Much use will be made of primary source materials in developing the course. 3 periods weekly; 3 semester hours credit.

Professor Fiore

HI 425. Social and Intellectual History of the United States to 1918.

This course will consider the economic, social and cultural development of the American people to the eve of the first World War. The development of a distinctly American character, the transformation from an agricultural to an industrial society, and the spread of democracy will be studied. The life of the people rather than political events will be stressed. 3 periods weekly for one and one-half semesters; 4.5 semester hours credit.

Professor Fiore

HI 430. Europe in the Middle Ages.

The period covered is from the fall of Rome to the Renaissance of the fifteenth and sixteenth centuries. Topics included are the German invasion, the rise of Christianity, the expansion of Moham medanism, the development of the Byzantine state, the rise of nations, the conflict between church and state, and the cultural development of medieval Europe. 3 periods weekly; 3 semester hours credit.

Assistant Professor Keay

HI 432. Modern European Imperialism.

This course considers the motives, methods, and results of imperialism in the nineteenth and twentieth centuries. The partition of Africa and the penetration of Asia will be considered as contracting phases in the expansion of Europe. 3 periods weekly; 3 semester hours credit.

Assistant Professor Doiron

HI 435 The Renaissance and the Reformation.

This course traces developments in western Europe from the de-
cline of feudal institutions to the emergence of the modern state system. Attention is focused on the cultural and intellectual currents which accompanied economic, social and political changes. Prerequisite: completion of the survey course in Western Civilization. 3 periods weekly for one and one-half semesters; 4.5 semester hours credit.

HI 461. Far Eastern History.

This course deals primarily with the history of China and Japan during the last century. Some consideration is also given to the problems of the Philippines, Indonesia, Southeast Asia, India, and Australia. 3 periods weekly for one and one-half semesters; 4.5 semester hours credit.

Assistant Professor Chandler

HI 471. International Relations.

Following a consideration of the basic factors in international relations, the development of the western state system, and the principles of balance of power, nationalism, and imperialism, the course covers the establishment of international organization in modern times and the post-war regional organizations. Each student makes a study of the contemporary international problems of a country or region. 3 periods weekly for one and one-half semesters; 4.5 semester hours credit.

Mr. Clifford

HI 481. United States Foreign Relations to 1898.

This course will trace the history of the foreign relations of the United States from the American Revolution to the end of the Spanish-American War. Successful completion of a course in United States history is recommended. 3 periods weekly; 3 semester hours credit.

Professor Bates

HI 482. United States Foreign Relations since 1898.

This course considers the background of the Spanish-American War, imperialism, the Open Door policy in Asia, Latin-American relations, the background and the results of World War I and World War II, and the diplomacy of the Cold War. 3 periods weekly; 3 semester hours credit.

Professor Bates

HI 452. Senior Seminar in History.

Each senior will elect a seminar in an area of history. Sem-
inars will be offered in various aspects or periods of United States history, in European history, and in Latin American history. The number of students in each seminar will be limited. Students will be admitted to a seminar with the approval of the instructor and the chairman of the department. 3 hours weekly for one and one-half semesters; 4.5 semester hours credit.

Professor Fiore
Staff

HI 273. *U. S. and Massachusetts Constitutions.*

In this course the constitutions of the United States and the Commonwealth of Massachusetts will be studied. The structure of government and the rights and responsibilities of citizens as promised by the constitutions will be considered. This course is required of all students who do not elect HI 221 (U. S. History and Constitutions to 1865). 1 hour weekly for one semester; 1 semester hour credit.

Professor Fiore

HI 371. *Comparative Government.*

A comparative study of the origin and development of governments, parties, political ideologies, and social policies in the United Kingdom, the U.S.S.R., France, and Japan. Prerequisite: HI 271 and 272 or equivalent courses. 3 hours weekly for one semester; 3 semester hours credit. (to be offered in the beginning of 1968-1969 academic year).

To be announced


This course considers the development, structure, and function of state government in the United States. The relation between the state, local, and national government will be considered. Government at the local level with emphasis on Massachusetts experience and some emphasis on town and city management will be studied. 3 hours weekly for one semester; 3 semester hours credit. (To be offered beginning of the 1968-1969 academic year).

To be announced
INSTRUCTIONAL MEDIA
(AUDIOVISUAL)

Professor Henry Rosen, Chairman; Instructor Thomas S. Lee.

AV 310. Audiovisual Methods and Materials.

An introduction to audiovisual methods and materials designed to improve teaching, this course includes instruction in and application of still pictures motion pictures, slides, filmstrips, recordings, radio, televisions, three-dimensional materials, field trips, flannel boards, chalk boards, and all types of teaching machines. Instruction in sources of teaching aids and supplementary materials accompanies the laboratory procedures. 1 double laboratory period and 1 lecture per week for 1 semester; 2 semester hours credit.

Professor Rosen
Mr. Lee

AV 420 Advanced Audiovisual Techniques.

This is a directed study course. The student will concentrate on the coordination of audiovisual materials in his field of choice and will build a course of study in the chosen concentration. Prerequisite: AV 310. Credits and hours to be arranged.

Professor Rosen

LIBRARY SCIENCE

Associate Professor Beatrice Bouchard, Chairman; Associate Professor Vining; Instructors Olive Lee, Adeline Oakley, Jennifer Woodward.

The Department of Library Science offers library instruction to all students during their freshman year, to upperclassmen in elective courses, to students majoring in education who wish to minor in library science and to prepare for certification as school librarians in Massachusetts. The requirements for Massachusetts School Librarian certification, effective May 1, 1963, are a bachelor's degree from a college approved by the Board of Education, including at least eighteen hours in Library Science Education. Courses indicated by asterisks are required for certification.

Library Introduction.

Freshmen are exposed to the Library during the third quarter of the Academic Year. One period a week is devoted to either developing basic library skills, acquainting one's self with general reference literature, or meeting reference problems. Required of all freshmen; 1 one-hour period during one quarter; no credit.

Staff
LI 310. "Children's Literature.

This course covers the reading interests of children from preschool years through the elementary grades with emphasis on: the contribution that reading can make toward the process of growing up; criteria for evaluation and analysis of children's books; types of books available today, considered in terms of the needs, interests, and abilities of children. Topics covered are history of literature for children; illustrators; folk-tales; myths; modern fanciful tales; fiction; poetry; books in special fields, such as, history, science, travel. 3 periods weekly; 3 semester hours credit.

Associate Professor Bouchard
Mrs. Oakley

LI 320. Literature for Young Adults.

This course is a survey of literature for the adolescent designed for junior and senior high school teachers and librarians, and includes a brief history of the development of this literature, evaluation of publishers, and psychology of the adolescent reader. 3 periods weekly; 3 semester hours credit.

Mrs. Oakley

LI 281. Introduction to Library Resources.

This general course is designed for students who are interested in improving their proficiency in the use of the library. Encyclopedias, dictionaries, bibliographies, periodical indexes, and other aids to learning are examined. 3 periods weekly; 3 semester hours credit.

Associate Professor Vining


This specialized course in Library techniques is offered for students desiring instruction in the reference materials of the humanities. LI 281 is recommended as a prerequisite but not required. 3 periods weekly; 3 semester hours credit.

Miss Lee


This specialized course in library techniques is offered for students desiring instruction in the reference materials of the Social Sciences. LI 281 is recommended as a prerequisite but not required. 3 periods weekly; 3 semester hours credit.

Associate Professor Vining
LI 284. Applied Library Resources: Literature of Science and Technology.

This specialized course in library techniques is offered for students desiring instruction in the reference materials of Science and Technology. LI 281 is recommended as a prerequisite but not required. 3 periods weekly; 3 semester hours credit.

Miss Lee


This specialized course in library techniques is offered for students desiring instruction in the reference materials of Education. LI 281 is recommended as a prerequisite but not required. 3 periods weekly; 3 semester hours credit.

Associate Professor Vining


This course in the use of library reference materials is intended to give students the instruction that will enable them to use and administer the reference collection in a materials center. Emphasis is placed on the selection of materials and their effective utilization. 3 periods weekly; 3 semester hours credit.

Miss Lee


This course is designed for the student who wishes to acquire a greater appreciation of the book and to broaden his knowledge of the science of book composition. The topics covered are: means of recording information; the evolution of the book; book composition, publishing, and economics. Special topics are covered by guest lecturers. 3 periods weekly; 3 semester hours credit.

Associate Professor Bouchard


This course includes activities, techniques, and services, as they are related to the organizing and administering of a school library. 2 lecture periods and one 2-hour laboratory period weekly; 3 semester hours credit.

Associate Professor Bouchard


This course includes cataloguing classification, and processing of library materials as they are related to the school library. 2 lecture periods and one 2-hour laboratory period weekly; 3 semester hours credit.

Mrs. Oakley
MATHEMATICS

Associate Professor Joseph B. Chiccarelli, Chairman; Associate Professors Robert E. Lemos, Henry M. Mailloux; Assistant Professors Murray Abramson, Robert J. Bent, Donald G. Simpson, Michael Makokian; Instructors Charles E. Carr, Walter J. Gleason, Frank J. Lamblase.

Since mathematics is both a cultural and technical field of study, the curriculum is planned with the following objectives: 1) to give the student an introduction to mathematics as an important area of human thought; 2) to give adequate preparation for students planning to teach mathematics on the secondary level; 3) to serve the needs of students in fields which rely on mathematics, e.g., experimental sciences, social sciences, and elementary education; 4) to give preparation to students for graduate study in mathematics and related fields.

Mathematics majors who are enrolled in the program leading to the degree of Bachelor of Arts, in addition to completing General Requirements, must satisfactorily complete the following courses: MA 101, 102, 201, 202, 301, 401 and six electives from MA 302, 303, 304, 308, 316, 402, 403, 404, 406, 407, 408, 412, 416.

The language requirement is satisfied by either French or German. A grade of C or above in MA 102 is required for continuation as a mathematics major. Students interested in advanced placement should consult the general section of the catalog and the Chairman of the Department.

A concentration in mathematics for students majoring in Elementary Education is comprised of three courses to be selected from MA 110, 322, 421, 423, 425.

MA 100. Precalculus Mathematics.

The real number system, mathematical induction, elementary functions and their graphs, the trigonometric functions and analytic trigonometry, complex numbers, theory of equations, analytic geometry of the line and conic sections. Required of Freshman candidates for a degree in mathematics who do not satisfy departmental prerequisites for MA 101. 4 periods weekly; 4 semester hours credit.

Associate Professor Lemos

MA 101, 102. Calculus with Analytic Geometry I–II.

Inequalities, functions and their graphs, the line and linear inequalities, limits and continuity, differentiation of algebraic functions and applications. The definite integral and applications, analytic geometry of the conic sections, the trigonometric and exponential functions, parametric equations and polar coordinates, calculus
of vectors in a plane. Required of all Freshman candidates for a degree in Mathematics, Physics, or Chemistry. Open to other qualified freshmen with consent of the Department Chairman. 4 periods weekly; 4 semester hours credit for each semester.

Staff

MA 103, 104. Mathematical Analysis I-II.

Sets, algebraic functions and their graphs, topics from algebra, trigonometric functions and analytic trigonometry, logarithmic and exponential functions, analytic geometry of the line and conic sections, differentiation and integration of algebraic functions and their applications. Required of all Freshman candidates for a degree in Biology or Earth Science. 3 periods weekly; 3 semester hours credit for each semester.

Mr. Carr
Mr. Lambiase

MA 105. College Mathematics I.

Sets and logic, the real number system, topics in algebra, elementary combinatorial analysis, introduction to probability. Required of all Freshman non-science majors. 3 periods weekly; 3 semester hours credit.

Staff

MA 106. College Mathematics II.

Algebraic functions, exponential and logarithmic functions, trigonometry, theory of equations, sequences and series. Prerequisite: MA 105. Mathematics elective for non-science majors. 3 periods weekly; 3 semester hours credit.

Staff

MA 107, 108. College Mathematics for Elementary Majors I-II.

Theory of sets, relations and their properties, systems of numeration, axiomatic approach to the real number system through a study of the integers and rational numbers, elementary number theory, non-metric geometry. Required of all Freshman who are candidates for a degree in Elementary Education. 3 semester hours credit for each semester; 3 periods weekly.

Staff

MA 110. Elementary Statistics.

The nature of statistics, frequency distributions, descriptive measures, elementary probability, theoretical distributions of ran-
random variables, the binomial distribution, the normal distribution, statistical inference, regression and correlation, analysis of variance. Required of all Freshmen who are candidates for a degree in Health and Physical Education. 3 periods weekly; 3 semester hours credit.

Mr. Gleason

MA 201. Calculus with Analytic Geometry III.

Methods of integration and applications, solid analytic geometry, calculus of vectors in space, elements of infinite series, partial differentiation, multiple integration. Prerequisite: MA 102. 4 periods weekly; 4 semester hours credit.

Associate Professor Lemos
Assistant Professor Bent

MA 202. Linear Algebra I.

Vectors and analytic geometry of space, vector spaces, systems of linear equations, determinants, linear transformations and matrices, the algebra of matrices, applications to geometry and analysis. 4 periods weekly; 4 semester hours credit.

Associate Professor Lemos
Assistant Professor Bent

MA 210. Introduction to Calculus.

Functions and limits, derivatives and antiderivatives, the definite integral, differentiation of algebraic and transcendental functions, applications. Prerequisite: MA 106. Mathematics elective for non-science majors. 3 periods weekly; 3 semester hours credit.

Not offered in 1967-1968

Staff

MA 301. Abstract Algebra I.

Introduction to the theory of rings, integral domains and fields through a study of integers, rational numbers, real numbers, complex numbers, polynomials; elementary group theory. 3 periods weekly; 3 semester hours credit.

Assistant Professor Abramson
Assistant Professor Simpson

MA 302. Abstract Algebra II.

Group theory, linear groups, rings and ideals, extensions of
rings and fields. Prerequisite: MA 301. 3 periods weekly; 3 semester hours credit.

Not offered in 1967-1968. Staff

MA 303. *Number Theory.*

Development of the number system, the Euclidean Algorithm and its consequences, theory of congruences, number-theoretic functions, Diophantine equations, quadratic residues. 3 periods weekly; 3 semester hours credit.

Associate Professor Chiccarelli

MA 304. *Higher Geometry.*

Axiomatic systems, finite geometries, introduction to synthetic and analytic projective geometry, affine geometry, non-Euclidean geometry. 3 periods weekly; 3 semester hours credit.

Assistant Professor Simpson

MA 308. *Linear Algebra II.*

Bilinear and quadratic forms, polynomial rings, characteristic values and vectors of linear transformations, similarity of matrices, applications. Prerequisite: MA 202. 3 periods weekly; 3 semester hours credit.

Assistant Professor Makokian

MA 316. *Differential Equations.*

Ordinary differential equations of first and second order, linear differential equations with constant coefficients, the Laplace transform, applications. Prerequisite: MA 201. 3 periods weekly; 3 semester hours credit.

Mr. Lambiase

MA 322. *College Algebra for Elementary Majors.*

Elementary logic, the real and complex number systems, algebra of polynomials and algebraic fractions, exponents and radicals, inequalities, functions and their graphs, polynomial functions. Prerequisite: MA 108. 3 periods weekly; 3 semester hours credit.

Associate Professor Mailloux
Assistant Professor Abramson
MA 324. Geometry for Elementary Majors.

Plane geometric figures, curves and surfaces, congruence, measures, parallelism and similarity, non-Euclidean geometries, coordinate geometry. 3 periods weekly; 3 semester hours credit.

Assistant Professor Makokian
Assistant Professor Abramson

MA 401. Advanced Calculus I.

Fundamental theorems on limits and continuity, properties of derivatives, functions of several variables, partial derivatives, multiple integrals. Prerequisite: MA 201. 3 periods weekly; 3 semester hours credit.

Assistant Professor Bent

MA 402. Advanced Calculus II.

Sequences, infinite series, power series and expansions of functions, vector calculus. Prerequisite: MA 401. 4 periods weekly for one quarter; 2 semester hours credit.

Assistant Professor Bent

MA 403. Probability Theory.

Permutations and combinations, calculus of probabilities, discrete and continuous random variables, expectation, elementary probability distributions, methods of estimation, sample spaces. Prerequisite: MA 201. 3 periods weekly; 3 semester hours credit.

Assistant Professor Makokian

Mr. Gleason

MA 404. Mathematics Seminar.

One of the following will be chosen according to the needs or interests of the students. Topology: Topologies and topological spaces, functions, mappings and homeomorphisms, connected spaces, compact spaces and metric spaces. Complex Analysis: The theory of functions of a complex variable, analytic functions, Cauchy-Riemann conditions, integration, Cauchy's theorem and formulae. Numerical Analysis: Basic concepts of numerical methods, including finite differences, interpolation, numerical differentiation and integration. Prerequisite: MA 401. 4 periods weekly for one quarter; 2 semester hours credit.

Staff

This course includes truth tables, rules of inference, method of proof, the algebra of sets and graphs of functions, cardinal numbers. 4 periods weekly for one quarter; 2 semester hours credit.

Not offered in 1967-1968

Assistant Professor Bent


The elements of point set topology; closed sets and open sets in metric spaces, continuous mappings, connection, separation theorems and homotopy, applications. Prerequisite: MA 201. 3 periods weekly; 3 semester hours credit.

Not offered in 1967-1968

Staff

MA 408. History of Mathematics.

The development of elementary mathematics from ancient to modern times. 4 periods weekly for one quarter; 2 semester hours credit.

Not offered in 1967-1968

Associate Professor Lemos


Fundamental statistical methods, tests of significance and estimation based on large or small samples, simple correlation, linear regression, statistical inference, sequential analysis. Prerequisite: MA 403. 3 periods weekly; 3 semester hours credit.

Mr. Gleason

MA 416. Complex Function Theory.

Analytic functions of a complex variable, differentiation and integration in the complex plane, Cauchy's theorems, infinite series, Laurent expansions, theory of residues. Prerequisite: MA 401. 3 periods weekly; 3 semester hours credit.

Not offered in 1967-1968

Staff

MA 421. Analytic Geometry for Elementary Majors.

Trigonometric functions and analytic trigonometry, analytic geometry of the straight line and conic sections. 3 periods weekly 3 semester hours credit.

Associate Professor Mailloux
MA 423. Probability for Elementary Majors.

An elementary course in probability for finite sample spaces; random variables and their distributions, permutations, combinations, the binomial theorem, independence, conditional probability, Baye's theorem. 3 periods weekly; 3 semester hours credit.

Assistant Professor Makokian
Mr. Gleason

MA 425. Calculus for Elementary Majors.

Graphs and curves, differentiation and integration of algebraic and transcendental functions, applications. 3 periods weekly; 3 semester hours credit.

Associate Professor Lemos

MODERN FOREIGN LANGUAGES

Assistant Professor Robert Charles Arruda, Chairman; Associate Professor Wayne Maurice Judah; Assistant Professors Robert Allen Briggs, Joseph Matthew Gianninni, Mary Shapiro; Instructors Anthony Charles Cotugno, Robert Dale Dawley, Armand Eugene Desautels, Barbara George, Lenore Marie Padula.

The Modern Foreign Language Department offers to all A.B. students an opportunity to gain a practical working knowledge of one or more of five modern foreign languages by requiring them to take four semesters, or their equivalent, following their initial placement in the freshman year. Initial placement in and successful completion of the 181-182 level of foreign language study satisfies the graduation requirement in this area. Students may choose any of the five languages offered by the College unless otherwise restricted by the requirements of the department of their academic major. B, S, students are free to elect any language course as an elective or minor concentration provided they meet the basic requirements of the course in question.

The Department currently offers a French Major, with academic minors possible in French, German, or Spanish. The departmental major seeks to develop a fluent command of the four language skills, and a broad acquaintance with the salient characteristics of French literature and civilization. Two year sequences, totaling four courses for each language, also are offered in Italian and Portuguese.

A grade of C or above in LF 181-182 is required for continuation as a French Major. Normally, 26 semester hours are required for the major in French and following the LF 181-182 course
French majors are required to take the following courses, in sequence, unless otherwise arranged with the Department Chairman: 201; 252; 281; 301; 352; 381; 401-402; 451-452; and 482. Those who intend to enter secondary level teaching are required to take ED 324, Teaching Modern Foreign Languages in the Secondary School. Language minors are required to take 18 semester hours, or their equivalent following their initial language placement. The choice and sequence of such courses may be determined by consultation with the chairman of the department.

**FRENCH**

**LF 101, 102. Elementary French.**

This course offers an aural-oral approach to the grammar of the French language. Emphasis will be on the mastery of correct pronunciation and essential grammatical points to ensure basic oral and reading command of the language. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Staff

**LF 151, 152. Intermediate French.**

This course is a continuation of Elementary French with stress on essential grammatical points, oral work, and reading knowledge of the language. An introduction to some aspects of French civilization and culture will also be included. Prerequisite: LF 101-102, or its equivalent. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Staff

**LF 181, 182. Advanced French.**

A systematic review of French grammar along with more advanced study of the sounds of the language, this course also includes advanced reading selections with emphasis on French culture. Prerequisite: LF 151-152, or its equivalent. 3 periods weekly for two semesters, 3 semester hours credit for each semester.

Staff

**LF 201. French Literature of the Middle Ages.**

A survey of medieval French literature, including a study of cultural and literary innovations in France from the ninth through the fifteenth centuries. Readings in modern French translation will include: Chanson de Roland, Tristan et Iseut, Roman de la Rose, Yvain, Fabliaux, Poesie Lyrique, Theatre Comique. Prerequisite: LF 181-182, or its equivalent. 3 periods weekly for one semester; 3 semester hours credit.

Associate Professor Judah
LF 252. 16th Century French Literature.

This course will study the development of ideas through the poetical and prose works of Rabelais, La Pleiade, Ronsard, Du Bellay and Montaigne. Prerequisite: LF 201 or its equivalent. 3 periods weekly for one semester; 3 semester hours credit.

Associate Professor Judah

LF 281. French Conversation and Civilization.

This course is designed to improve oral expression and pronunciation. Discussion topics on aspects of French Civilization will be assigned, with a view to building vocabulary and to making applications of structures learned. There will also be assigned reading in French Civilization. Prerequisite: LF 181-182 or its equivalent. 3 periods weekly for one semester; 3 semester hours credit.

Mr. Desautels

LF 310. 17th Century French Literature.

The principal historical events and representative writers of France in the 17th century will be studied with the object of understanding Classicism as a literary movement. The course will deal with the ideas and works of this period from Malherbe through Madame de Maintenon. Prerequisites: LF 201 and 252 or their equivalent. 3 periods weekly for one semester; 3 semester hours credit.

Assistant Professor Arruda

LF 352. 13th Century French Literature.

The literature of the French Revolution and Empire, preceded by the literary contributions of the Enlightenment and Encyclopedists, will be the principal concerns of this course. Some of the authors to be studied are: Le Sage, Marivaux, Montesquieu, Voltaire, Rousseau, Beaumarchais, Chenier, and the Encyclopedists. Prerequisite: LF 301 or its equivalent. 3 periods weekly for one semester; 3 semester hours credit.

Assistant Professor Arruda

LF 381. French Linguistics and Phonetics.

In this course a linguistic approach to the study of the sounds of the French language is made with emphasis on a mastery of the elements of correct standard pronunciation. Prerequisite: LF 181-182 or its equivalent. 3 periods weekly for one semester; 3 semester hours credit.

Mr. Dawley
ED 324. Teaching Modern Foreign Languages in the Secondary School.

A study of the principal methods of teaching modern foreign languages in the secondary school will be the essential concern of this course. Readings in texts required for the course will be supplemented by methods films and the opportunity to teach a class in an actual classroom. Required of all French majors with an Education minor. 3 periods weekly for one semester; 3 semester hours credit.

Assistant Professor Shapiro

LF 401, 402. 19th Century French Literature.

This course will cover the 19th century through representative literary works and the principal literary movements of Romanticism. Prerequisites: LF 201; 252; and 301; 352 or their equivalents. 3 periods weekly for 3 quarters; 4.5 semester hours credit for successful completion of LF 401, 402 series.

Associate Professor Judah

LF 451, 452. 20th Century French Literature.

This course involves a study of modern French Literature from the authors of "national energy" at the turn of the century, to those of the present day. Important literary movements will be discussed and typical works of well-known authors will be read for class work and individual reports. Authors to be discussed are Bourget, France, Gide, Proust, Claudel, Romans, Sartre, Camus, and others. Prerequisite: LF 401-402 or taken simultaneously with LF 401-402. 3 periods weekly for three quarters; 4.5 semester hours credit for successful completion of LF 451-452 series.

Assistant Professor Giannini

LF 482. Advanced French Composition and Grammar Review.

Primarily intended to provide senior French majors with a thorough review of French grammar and to develop their written command of the French language. Prerequisite: LF 181-182 or its equivalent; 3 periods weekly for one semester; 3 semester hours credit.

Mr. Dawley

GERMAN

LG 101, 102. Elementary German

This course offers an audio-lingual approach to the study of the
German language. Emphasis will be on the mastery of correct pronunciation and of essential grammatical points to ensure a basic oral and reading command of the language. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Staff

LG 151, 152. Intermediate German.

This course includes a systematic review of basic German grammar and pronunciation. Graded reading selections will accompany the review to develop and improve the students' reading and conversational knowledge of the language. An introduction to some aspects of German culture will also be included. Prerequisite: LG 101-102, or its equivalent. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Staff

LG 181, 182. Introduction to the Advanced Study of German.

The course is designed to introduce the student to a more advanced level of the literature. Representative German authors will be read and discussed. Prerequisite: LG 151-152, or its equivalent. Required of all German minors. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Staff

LG 191, 192. Scientific German.

This course involves a systematic review of basic German grammar. The emphasis will be on vocabulary building for the reading of scientific material in German. Open to science majors as a substitution for LG 151-152. Prerequisite: LG 101-102, or its equivalent. Required of all Science majors. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Staff

LG 201, 202. Survey of German Literature.

The course traces the development of German literature from its earliest beginnings to the present day. Representative works of the principal literary periods will be read and discussed. Prerequisite: LG 181, 182 or equivalent. Required of all German minors. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Assistant Professor Briggs
ITALIAN

LT 101, 102. Elementary Italian.

This course is an aural-oral approach to the grammar of the Italian language. Emphasis will be on the mastery of correct pronunciation and of essential grammatical points to insure a basic oral and reading command of the language. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Staff

LT 151, 152. Intermediate Italian.

A continuation of Elementary Italian with stress on essential grammatical features, oral work and reading development in the language. Prerequisite: LT 101-102 or its equivalent. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Staff

PORTUGUESE

LP 101, 102. Elementary Portuguese.

An introduction to the basic skills of reading and writing that will seek to develop the aural comprehension and the oral mastery of the Portuguese language. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Staff

LP 151, 152. Intermediate Portuguese.

This course will include a review of basic grammar and pronunciation before continuing with a more advanced study of these two aspects of the language. Reading, writing and oral proficiencies will be stressed. Prerequisite: Elementary Portuguese 101-102 or its equivalent. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Staff

SPANISH

LS 101, 102. Elementary Spanish.

An audio-lingual approach to the essentials of Spanish pronunciation, grammar, reading and writing proficiency will be stressed. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Staff
LS 151, 152. Intermediate Spanish.

This course is designed to follow the equivalent of one college year of audio-lingually oriented Spanish study. Its aims are fundamentally three: (1) to continue the development of the audio-lingual skills, (2) to increase the rate of development of reading skills and resources and (3) to provide some appreciation of and information about the Hispanic world. Prerequisite: LS101-102 or its equivalent. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Staff

LS 181, 182. Advanced Spanish.

This course offers a more detailed study of important points of Spanish grammar with attention given to increasing vocabulary, to correcting pronunciation, and to improving audio-oral skills. More advanced reading selections and continued presentation of cultural aspects will provide opportunity for acquaintance with the Hispanic world. Prerequisites: LS 101-102 and LS 151-152 or their equivalent. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Staff


This course involves a survey of Hispanic literature from the earliest times to the present. Major literary movements, works, and authors will be stressed. Prerequisite: LS 181-182 or its equivalent, or permission of Department Chairman. Required of all Spanish minors. 3 periods weekly for two semesters; 3 semester hours credit for each semester.

Staff

MUSIC

Professor Harold G. Ridlon, Acting Chairman; Assistant Professors Dorothy R. Ferry, Vincent H. Gannon, Marjorie E. Hayward; Instructor, Jacob Liberles.

MU 101, 102. Instrumental Theory and Practice.

This course includes fundamentals of musicianship, solfeggio, scales, intervals, triads, seventh chords, correlated rhythmic, melodic, and harmonic drill. Prerequisite: ability to play a musical instrument and permission of the instructor. 1 class hour and one 2-hour rehearsal per week; 1 semester hour credit for each semester.

Assistant Professor Gannon
MU 110. Music Theory.

Included in this course are the fundamentals of music, its structure and components, sight singing, the methods of teaching vocal music by rote, and basic harmony. 3 periods weekly; three semester hours credit.

Assistant Professor Gannon

MU 113. Sight Singing.

This course is designed for those Elementary Majors who have not had sufficient experience in syllabication and ear training to help them in this phase of teaching music on the elementary level. No credit. Hours to be arranged.

Staff

MU 120. Music in Physical Education.

This course is designed primarily for Physical Education Majors and stresses the rhythmic content of music. Experiences include action songs, free rhythmic activity to instrumental music, the use of rhythm instruments, folk dances, and musical games. 2 periods weekly; 2 semester hours credit.

Assistant Professor Hayward

MU 310. Music Skills.

This course includes adaptation of music fundamentals as applied to vocal, rhythmic, and creative teaching on the elementary level. Prerequisite: MU 110. 3 periods weekly; 3 semester hours credit.

Assistant Professor Ferry

MU 320. History and Development of Music.

Through the use of text-book and recordings, students are made aware of the various styles and forms of music from the baroque to the contemporary. This includes vocal and instrumental forms. The lives of the composers are studied in relation to their compositions. Emphasis is placed upon identifying their style through listening. 3 periods weekly; 3 semester hours credit.

Assistant Professor Hayward


The chronological development of forms and styles in both sacred and secular music from the Middle Ages through the Bar-
oque will be given special emphasis. Compositions will be studied through recordings. Reading assignments in reference books and standard histories will be given. 3 periods weekly; 3 semester hours credit.

Assistant Professor Gannon


The music of Hayden, Mozart, and Beethoven of the Classical era will be studied, as well as that of Schubert through Wagner in the Romantic era. The lives of the composers as well as the literature of their music will be approached through lecture and specific reading assignments. The compositions will be studied through recordings. 3 periods weekly; 3 semester hours credit.

Assistant Professor Hayward

MU 330. Basic Piano.

This course includes fundamentals of instrumental technique, and concentrates on the ability to play simple accompaniments for vocal music on the elementary level. 3 periods weekly; 3 semester hours credit.

Assistant Professor Ferry


Important changes in contemporary music will be studied. Major musical forms written since 1900 will be analyzed and critical evaluation made of compositions of this period. Biographical background and historical influences will form part of the basis of study. This will be approached through the use of text-book and recordings. Prerequisite: MU 320. 3 periods weekly; 3 semester hours credit.

Assistant Professor Hayward

MU 400. Creative Activities in Elementary School Music.

Practical experience will be offered in the following areas: free and directed response to rhythm; use of percussion, melody, and harmony instruments; piano chording; creative listening and singing activities. Prerequisite: MU 310. 3 periods weekly; 3 semester hours credit.

Assistant Professor Ferry

MU 403. Contemporary Practices.

This course will offer a study of chromatic harmony and
advanced modulation, atonality, polytonality, and analysis of the 20th century. 3 periods weekly; 3 semester hours credit.

Assistant Professor Gannon

**MU 420. Vocal Ensemble Practices.**

This course offers choral practices, including voice training, experience in part singing, dynamics used in vocal ensemble, and choral conducting. 3 periods weekly; 3 semester hours credit.

Assistant Professor Ferry

**MU 430. Harmony and Solfeggio.**

This course will include sight singing and ear training in all clefs; also construction of major and minor scales, triads and seventh chords in all positions; modulation, harmonic analysis, and key-board drill. 3 periods weekly; 3 semester hours credit.

Assistant Professor Gannon

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**PHILOSOPHY**

Chairman; Visiting Professor Edwin P. Booth; Associate Professor Joseph J. Corkery, W. David Englund; Assistant Professor Achille A. Joyal.

**PH 380. Introduction to General Philosophy.**

This course is an introduction to logical and critical reflection upon the opinion of philosophers concerning the meaning, terminology, and basic problems of philosophy, which should enable the student to begin structuring his own thinking. Required of all students. 3 periods weekly for one semester; 3 semester hours credit.

Associate Professor Corkery
Associate Professor Englund
Assistant Professor Joyal

**PL 400. Comparative Religions.**

This course is designed to introduce the students to the tenets of the major religions. 3 periods weekly for one semester; 3 semester hours credit.

Visiting Professor Booth
PHYSICS

Associate Professor Richard F. Calusdian, Chairman; Associate Professors George A. Weygand, Raymond L. Blanchard; Assistant Professor John W. Swardstrom; Laboratory Instructor Mrs. Marcia Webb.

The Department of Physics offers a program leading to the degree of Bachelor of Arts in Physics. This program is sufficiently flexible to prepare a student for graduate school, industry or secondary school teaching. If a student minors in education, he will meet the Massachusetts State Certification requirements for teaching physics. One three credit mathematics course as an elective will allow the student to meet the Massachusetts State Certification requirements for teaching mathematics.

The following courses are required for a major in physics: PH 243, 244, 381, 387, 388, 389, 394 and CH 141, 142, MA 101, 102, 201, 316 or their equivalents.

**PH 181, 182. Elements of Physics.**

This course includes a study of mechanics, heat, sound, electricity, magnetism, optics and modern physics. PH 181 is prerequisite to PH 182. 2 lecture periods and 1 two-hour laboratory period per week; 3 semester hours credit per week.

Associate Professor Weygand

**PH 200. Survey of Physics.**

The fundamental laws of physics are studied as an integrated system. 2 lecture periods and 1 two-hour laboratory per week; 3 semester hours credit.

Associate Professor Weygand

**PH 243, 244. General Physics.**

This course is a calculus-based study of the phenomena of mechanics, heat, sound, electricity, magnetism and light. Prerequisite: MA 102, PH 243 is prerequisite to PH 244. 4 lecture periods and 1 three-hour laboratory period weekly; 4 semester hours credit for each semester.

Associate Professor Blanchard

**PH 381. Physical Chemistry.**

This course consists of a study of the laws governing the physi-
cal and chemical behaviour of matter. Prerequisite: CH 141, 142, MA 202. 3 lecture periods and 1 four-hour laboratory weekly.

Assistant Professor Daley

PH 385. Optics.

After a careful study of geometric optics, the student will be introduced to the wave theory of interference, diffraction, polarization, and double refraction, and to the propagation of light in dispersive media. Laboratory projects are included as part of the course. Prerequisite: PH 244. 3 periods weekly; 3 semester hours credit.

PH 386. Nucleonics.

The purpose of this course is to study nuclear instrumentation, the fission process and its applications, nuclear reactors, radiation shielding, radioactive waste disposal, and the application of nuclear technology to specific areas of the physical sciences. Prerequisite: PH 244. 3 lecture periods and 2 three-hour laboratory periods weekly for one quarter; 3 semester hours credit.

Associate Professor Weygand

PH 387. Modern Physics.

Theory of atomic and nuclear structure; elementary particles; relativity; and elementary quantum mechanics. Prerequisite: PH 244. 3 lecture periods weekly; 3 semester hours credit.

Associate Professor Calusdian

PH 388. Electricity and Magnetism.

Electrostatic and magnetic theory, direct and alternating current circuits, introduction to Maxwell's equations and radiation will be studied. Prerequisite: PH 244. 3 lecture periods and 1 three-hour laboratory period weekly; 4 semester hours credit.

Assistant Professor Swardstrom


This course introduces the student to a vector treatment of mechanics; forces and moments; dynamics of point masses and rigid bodies; work and energy; impulse and momentum; and small oscillation theory. Prerequisite: PH 243. 3 periods weekly; 3 semester hours credit.

Associate Professor Calusdian

Special projects for advanced students desiring instruction in the methods of research in physics. Prerequisite: Permission of the department. Credits and hours to be arranged.

Staff


A study of the crystal structure of solids; lattice vibrations, thermal and electrical properties of solids; Band theory; semiconductors; and superconductivity. Prerequisite: PH 387. 3 lecture periods weekly; 3 semester hours credit.

Assistant Professor Swardstrom

PH 392. Electronics

Fundamentals of semiconductor and vacuum tube electronics will be presented and supported with physical principles. Laboratory experiments will provide a working understanding of electronic measurements and basic electronic circuits. Prerequisite: PH 244. 3 lecture periods and two three hour laboratory periods weekly for one quarter; 3 semester hours credit.

Assistant Professor Swardstrom

PH 393. Theories of Modern Physics.

This course develops the theories necessary in describing atomic and nuclear phenomena. Among the topics covered are: Maxwell’s equations and the classical theory of radiation; the quantum theory of radiation; the special theory of relativity; elements of quantum mechanics; the theory of the nucleus and elementary particles. Prerequisite: PH 388, PH 389 or permission of the department. 3 lecture periods weekly; 3 semester hours credit.

Associate Professor Calusdian

PH 394. Quantum Mechanics.

This course treats the physical and historical basis of quantum mechanics. Among the topics included are the wave nature of matter, the uncertainty principle, wave functions, operators, expectation values of dynamical observables and the Schrodinger equation. These concepts will be applied to the electron, the hydrogen atom, multi-electron atoms and radiation. Prerequisite: PH 387 or permission of the instructor; 3 periods weekly; 3 semester hours credit.

Associate Professor Calusdian
**PH 395. History of Science.**

The development of scientific thought and scientific method from the Ionian Greeks to the contemporary era. 3 periods weekly; 3 semester hours credit.

Associate Professor Weygand

**PH 397. Mathematical Physics.**

The purpose of this course is to give the student the mathematical background necessary in solving the problems of modern physics and chemistry. Among the topics included are: Linear differential equations; sturm-Iouville theory; Green's functions; Fourier series; Laplace transform and orthogonal functions. Prerequisite: PH 244 and MA 203. 3 hours weekly; 3 semester hours credit.

Associate Professor Calusdian

**PH 398. Directed Study in Theoretical Physics.**

This course provides the advanced student to investigate special topics in theoretical physics not covered in the required curriculum. Among the topics the student may choose are: Theory of relativity; quantum theory; electromagnetic theory; statistical mechanics and mathematical physics. Prerequisite: Permission of the department. Credits and hours to be arranged. This course can be taken more than once.

Staff

**PSYCHOLOGY**

Professor Jordan D. Fiore, Acting Chairman; Professor Iva V. Lutz; Associate Professor Elizabeth M. Hollis; Assistant Professor James R. Scroggs, Instructor Louis Schippers.

**PY 200. General Psychology.**

This is an introductory course planned to acquaint the student with the techniques of modern psychology, the structure of behavior, conditions and theories of learning, and theories of personality development. 3 periods weekly; 3 semester hours credit.

Staff

**PY 224. Child Growth and Development.**

A study will be made of the growth and development of the child from birth to pre-adolescence. Attention will be focused on biological, psychological, and social factors as well as moral forces which influence child behavior. Prerequisite: PY 200; 3 periods weekly; 3 semester hours credit.

Staff
PY 226. Adolescent Psychology.

The purpose of this course is to provide a better understanding of the pre-adolescence. A study will be made of the major theories of adolescence. Physical, mental, moral, emotional, personality, and social aspects will be considered. Prerequisite: PY 200; 3 periods weekly; 3 semester hours credit.

PY, 229. Abnormal Psychology.

A systematic study of behavior pathology with special reference to the psychopathology of physical illness, neuroses, psychoses, personality disorders, addiction, and acute and chronic brain disorders. Emphasis will also be placed upon etiology, symptomology, prognosis and prevention. Prerequisite: PY 200; 3 periods weekly; 3 semester hours credit.

Assistant Professor Scroggs
Mr. Schippers

SOCIOLoGY

Professor Joseph G. Moore, Chairman, Assistant Professor Clay L. Greene; Instructor Abraham Thomas.

SO 280. An Introduction to Sociological Analysis.

A comparative study of group behavior which is basic to all societies, this course will give attention to all the major social institutions that comprise the social structure. Empirical studies of small, simple societies as well as material from large complex societies will be utilized. 3 periods weekly; 3 semester hours credit.

Staff

SO 301. Social Stratification.

The ranking system by which all societies evaluate their members will be studied comparatively. Special attention will be given to class, status, and minority groupings, occupational structure, and social mobility within the United States. Prerequisite: SO 280; 3 periods weekly; 3 semester hours credit.

Assistant Professor Greene

SO 303. The Family.

This course will focus on a comparative study of family structure in various societies. Theories of family life will be explored.
Special emphasis will be given to the modern American family—its functions, problems, and trends. Prerequisite: SO 280. 3 periods weekly; 3 semester hours credit.

Mr. Thomas

SO 306. Urban Communities.

The development of urban communities will be traced. Emphasis will be on the modern city, its ecology, its areas of conflict—minority groups, its social organization, community planning, and redevelopment. Prerequisite: SO 280; 3 periods weekly; 3 semester hours credit.

Assistant Professor Greene

SO 308. Introduction to Sociological Theory and Research Methods.

Current sociological theories will be studied and their application to scientific research will be evaluated. Students will have the opportunity to participate in a research project employing sociological theories, methods, and techniques. Prerequisite: SO 280. 3 periods weekly; 3 semester hours credit.

Assistant Professor Greene

**SPEECH AND DRAMA**

Associate Professor Robert J. Barnett, Chairman; Assistant Professors Karin V. L. Dubin, Willis N. Pitts, Robert Friedman; Mrs. Lee A. Dunne, Mr. George W. Terhune.

The aims of a liberal education include the ability of the individual to communicate effectively and intelligently with other human beings as well as to gain the aesthetic satisfaction and cultural enrichment which comes from drama. The Speech and Drama Department seeks to give to all students an acquaintance with drama and the other speech arts in addition to giving opportunities for active expression through these communicative media.

The Speech and Drama Department faculty administers an oral speech test to all in-coming freshmen. This test determines which students will enter the speech improvement program offered for the benefit of the students of Bridgewater State College. In addition, the College has established minimum voice, articulation, and fluency standards that must be met before a student is allowed to do student teaching. (See OC 001).

**OC 001. Speech Improvement.**

This course is required of all students who do not meet the minimum speech requirements for entrance to the teacher-training pro-
gram. It will be a laboratory experience offering students individual and group instruction. The student will be permitted to drop the course as soon as he meets the requirements. Hours to be arranged; no credit.

Assistant Professor Pitts
Mrs. Dunne

OC 002. Remedial Speech.

Remedial Speech is a course of practical exercises designed for students who desire to improve their speaking voice and for those with specific problems on which they wish to continue work. The purposes of the course are: 1) to develop individual awareness of poor habits in respiration, phonation, articulation and other vocal processes and to replace these with more effective habits; 2) to enable the student to perceive, differentiate, and produce the standard sounds of good American speech, and 3) to increase the student's facility in reading and speaking. Hours to be arranged; no credit.

Mrs. Dunne

OC 200. Oral Communication I.

In this course, ideas and values that are central to the total oral communication process are introduced on both the practical and theoretical level. The student is helped to become a responsive and effective participant in conversation, discussion, speech-making, interviewing, and other forms of oral expression. 3 periods weekly; 3 semester hours credit.

Staff


The purpose of this course is to train students in the intelligent and effective use of the basic tools of logic and reasoning. A thorough study of the forms and categories of argument and practice in the process of logical and purposeful thinking in everyday communication will be made. 3 periods weekly; 3 semester hours credit.

Staff

OC 290. Speech Improvement in the Classroom.

The course is designed to help prospective teachers 1) identify children's speech and hearing problems, and understand the needs of these speech-handicapped children; 2) recognize opportunities in everyday classroom activities to provide help and guidance for these
children; and 3) provide supplementary activities that stimulate and improve children's speech. 3 periods weekly; 3 semester hours credit.

Assistant Professor Pitts

OC 291. Phonetics.

This course deals with a study of phonetic theory as a direct and efficient approach to speech improvement. For the purpose of the course, the International Phonetic Alphabet, recognized as the standard medium for the symbolization of speech sounds, is used as a basis for the study of the speech act. Directed toward a better accurate perception about his own speech; 2) to provide an increased advantage in teaching vocal expression skills in the classroom. Further, additional practical suggestions are advanced as a part of the course experiences that complement the preferred training in theory and practice about phonetics. 3 periods weekly; 3 semester hours credit.

Assistant Professor Pitts

OC 320. Methods of Speech Instruction.

This course offers a practical approach to the analysis and evaluation of the problems, objectives, and organizational techniques necessary to successful speech instruction. Special emphasis will be given to the factors affecting the teaching of oral communication at all levels. 3 periods weekly; 3 semester hours credit.

Staff

OC 330. Creative Dramatics.

This course is designed to give training and methodology in developing the child's creative faculties through the use of dramatic play. Students will participate in classroom exercises, and work in laboratory sessions with children in order to put into practice the concepts of preparation and evaluation learned through class discussion and lecture. 3 periods weekly; 3 semester hours credit.

Associate Professor Barnett


This course will offer opportunity for the study and practice of various styles of presentation in the oral interpretation of prose and poetry. A detailed evaluation and analysis of that material which is suitable for preparation and delivery to the class will be made. This course is especially recommended for those students with a definite interest in literature and the humanities. Open to all juniors and seniors. 3 periods weekly; 3 semester hours credit.

Assistant Professor Dubin
OC 350. Public Speaking.

This course provides for intensive study, evaluation and analysis of speech preparation with frequent presentations of various forms of public address. Attention will be given to speaking occasions, situations, audience analysis, and contemporary speakers and their speeches. Open to all juniors and seniors. 3 periods weekly; 3 semester hours credit.

Staff

OC 360. Group Discussion.

Through frequent practice and intensive study the student is trained in the principles and methods of communication as they apply to the group situation. The functional aspects of group membership, discussion, debate, logic, and leadership will be given particular attention. Open to all juniors and seniors 3 periods weekly; 3 semester hours credit.

Staff

OC 370. Play Production I.

This course is designed to treat the various aspects of school play production, ranging from classroom to all-school presentations on the elementary or high school level. It deals with such problems as selecting a play, casting, directing, lighting, costuming and designing, and building scenery. Practical work in the above activities will be required of all students. 3 periods weekly; 3 semester hours credit.

Associate Professor Barnett

OC 380. Stagecraft.

This course will offer the opportunity for the study of the principles of stagecraft. Students will also receive practical experience in the design, construction, painting, rigging and handling of stage scenery. In addition, lighting the stage and prop construction will be studied to a limited degree. Practical work in all areas will be required on a laboratory basis. Prerequisite: Play Production. 3 periods weekly; 3 semester hours credit.

Mr. Terhune

OC 390. Play Production II. Acting and Directing

Whereas Play Production deals with the overall approach to play
production, this course is concerned mainly with the actor and the
director. The art of acting and directing will be studied as well as
the prevalent methods which are used today. Students will have the
opportunity to do practical work and experimentation in both areas.
Prerequisite - Play Production. 3 periods weekly; 3 semester hours
credit.

Assistant Professor Friedman

OC 400. Oral Communication II.

In this course, specifically designed for seniors, the student is
encouraged to assume leadership responsibilities in the development
of both meaning and form in the logical and creative modes of oral
expression. The student learns to handle the more complex areas of
oral communication, i.e., role playing, creative dramatics, story
telling, interpretative reading, choral speaking, and discussion. Prereq-
usitive - Oral Communication I. 2 periods weekly; 2 semester
hours credit.

Staff

OC 410. Voice and Diction.

The purpose of this course is to develop the voice and diction of
each student as an effective means of conveying his personality and
ideas. It includes the physics and physiology of the vocal mechanism
and general exercises designed to improve respiration, phonation,
and articulation. Particular emphasis is placed upon the ability to
perceive, differentiate, and produce the standard sounds of good
American speech. Attention is given to the vocal requirements of
students in different fields and each student is helped to set up a
program of exercises best suited to his needs. Prerequisite - Oral
Communication I. 3 periods weekly; 3 semester hours credit.

Mrs. Dunne

OC 420. Children's Theatre.

This course is designed as a survey of the history and objectives
of theatre for the child audience and examines some of the special
techniques of acting, directing, and producing plays for children.
Attention is given to play selection and adaptation of children's liter-
ature for dramatic presentation. Students will direct scenes or
"cuttings" from children's plays and for these, sketches will be made
of settings and costumes. Open to all students who have had Play
Production I. 3 periods weekly; 3 semester hours credit.

Mr. Terhune
The following interdepartmental programs are offered within the Division of Natural Sciences and Mathematics.

CHEMISTRY-GEOLOGY MAJOR

A major in Chemistry-Geology is offered jointly by the Departments of Chemistry and Earth Sciences. This program is designed to prepare students for graduate school and professional employment in geochemistry and geology. Careers in these fields may involve petroleum, mineral and groundwater exploration or research in geochronology, mineralogy, crystallography and oceanography. This major is particularly suited to students interested in chemical or geological oceanography. The program is a flexible one in that it allows the student to specialize in a variety of areas by suitable choice of electives.

Chemistry-Geology majors are required to take the following courses: CH 141, 142, (or CH 131, 132) ES 181, 192, 372. In addition to the above requirements, majors must elect a minimum of two additional semesters of chemistry, two semesters of physics, and two semesters of mathematics. In addition to these electives the student must elect a minimum of six hours of chemistry, earth sciences, mathematics or physics which have been approved by the student's advisor.

PRE-MEDICAL AND PRE-DENTAL PROGRAMS

Medicine

Although medical schools do not require a major in a particular discipline they expect applicants to have achieved high academic standing in the fields of biology, chemistry, physics, mathematics, English, and foreign languages. Most students who plan to enter medicine as a profession will find it advisable to major in either biology or chemistry. A student who is interested in medicine should consult both his major advisor and a member of the Pre-medical and Pre-dental Committee early in his freshman year.

Dentistry

While some dental schools admit applicants after three years of college work, most prefer students with a bachelor's degree. As in medicine, there is no requirement for a major in a particular discipline. Most students who plan to enter dentistry as a profession will find it advisable to major in either biology or chemistry. Applicants for dental school should meet the requirements of the major in a given department and must also satisfy the requirements in biology, chemistry, physics, and English as set by each dental school. A student who is interested in dentistry should consult both his major
advisor and a member of the Pre-medical and Pre-dental Committee early in his freshman year.

PRE-MEDICAL AND PRE-DENTAL COMMITTEE
Dr. Wilmon Blackmar Chipman, Chairman
Dr. Kenneth Jesse Howe
Dr. Walter A. Morin
Dr. Henry Owen Daley

PROGRAMS IN OCEANOGRAPHY
Programs in oceanography are offered as a cooperative effort of all departments within the Division of Natural Sciences and Mathematics. These programs are designed to prepare students for graduate school or professional employment in oceanography.

Most graduate schools of oceanography require an undergraduate major in biology, chemistry, geology, or physics. All students interested in an oceanography program should major in one of these disciplines. Graduate schools of oceanography expect students to include the following courses in their undergraduate programs; Calculus I and II, Inorganic Chemistry and Qualitative Analysis or General Chemistry, General Physics or Elements of Physics, Quantitative Analysis, General Botany, General Zoology, Physical Geology, Introduction to Oceanography I and II.

These courses together with one of the majors indicated above provide a basic foundation for further study in one of the four principal branches of oceanography, i.e., biological oceanography, chemical oceanography, geological oceanography, and physical oceanography. Additional courses in related areas may be selected by the student with the approval of his major advisor. A student who is interested in oceanography should consult both his major advisor and a member of the Advisory Committee on Oceanography during his freshman year.

ADVISORY COMMITTEE ON OCEANOGRAPHY
Dr. Elizabeth Fahey Cirino, Chairman
Dr. Robert Francis Boutilier
Professor John Wendell Swardstrom

STUDENT SERVICES
Students have problems and needs that often require special forms of help or personal guidance at different stages of college experience. Among these are questions and concerns about one’s educational program and academic achievement, housing, finances, health, social adjustment, part-time work, and post-college study or employment.

To assist students in making adjustments, wise decisions, and intelligent plans, the College has provided professional staff services in the major areas of student needs.
ORIENTATION

During a freshmen convocation in the summer and during registration week, the orientation of students new to Bridgewater State College begins. Students are then advised on their academic program, and given opportunities to meet each other and the faculty, they learn about the philosophy and resources of the College, and about the standards, requirements, policies, and traditions of the College. The program includes assemblies, discussion meetings, activities of various kinds, and get-togethers in informal settings, planned and carried out by committees composed of students, faculty and administrative staff.

An orientation course for all freshmen is required with class meetings once a week throughout the first semester of the college year.

GENERAL COUNSELING

The faculty-student relationship is the center of college counseling, for it is the faculty who are best qualified to guide the student in his academic and professional growth. Each freshman is assigned to a faculty adviser. Additional guidance by a professional counselor may be arranged through the office of the Dean of Students.

ACADEMIC COUNSELING

The Faculty Committee on Academic Standing also offers counseling services. It interviews students whose academic standing is unsatisfactory at the end of each semester to determine the probability of success if the student is allowed to continue. To those students dismissed for academic reasons the Committee frequently offers suggestions for other academic or vocational preparation.

RELIGIOUS COUNSELING

From its beginning Bridgewater State College has been committed to a positive appreciation for the religious values in both our history and contemporary culture. To emphasize the affirmative role of religion in the life and thought of this academic community the Christian Fellowship, Menorah Club, and Newman Club have been formed to minister to those of the Protestant, Jewish and Catholic faiths. A Christian Fellowship House and a Newman Chapel and Center are located near the campus. Two chaplains for Catholic students and one for Protestant students have offices on campus and meet frequently with students in individual conferences and in groups to provide additional counseling services.

CULTURAL AND SOCIAL EVENTS

The opportunities provided for cultural and social experiences,
through formal and informal group activities, include musicales, art exhibits, international displays, forums, socials, informal dances and formal balls, coffee hours with staff and faculty, and residence hall functions. The Assembly Committee of the Student Cooperative Association sponsors a program series each year. Student, faculty, administrative and alumni groups also sponsor lectures, forums, and discussion groups throughout the year. The Bridgewater Celebrities Series brings internationally recognized artists to the campus several times each year.

PHYSICAL EDUCATION AND RECREATION

The physical education and recreational program of the college provides a wide range of activity for students. Objectives of the program are to promote qualities of leadership and sportsmanship; to aid students in their emotional, physical, and social development; and to provide opportunities for the development of individual physical skills. Programs of intramural sports for men are conducted in badminton, basketball, softball, tennis, touch football, track and field, and swimming. Recreational and intramural activities for women include badminton, basketball, bowling, dancing, field hockey, golf, lacrosse, riding, and swimming. Varsity teams in lacrosse, basketball and field hockey compete with teams from other women’s colleges in eastern New England.

ATHLETICS

Intercollegiate athletics play an important part in the College’s educational objectives. Sports are vital and beneficial activities, creating proper balance between mental and physical training, providing relaxation and enjoyment for student participants and student spectators, developing a spirit of unity and high morale in the student body, and encouraging cooperative group relationships. Bridgewater participates in intercollegiate football, cross country, basketball, baseball, tennis, track and golf.

HEALTH SERVICE

A hospital suite is located on the first floor of the S. Elizabeth Pope Hall. The services of a nurse are available to all students of the college twenty-four hours each day, seven days a week. A doctor is on duty three days a week for four hours each day.

PLACEMENT SERVICE

The Placement Service assists in referring seniors to employers for full-time job opportunities, and in placing alumni in their major fields of concentration. In addition, on-campus interviews are arranged for students in their senior year. These services are available without charge to all students and alumni who register at the Placement Office.
STUDENT EMPLOYMENT

Opportunities for part-time employment are available for students who wish to earn money while studying at the college. Applications should be made to the Dean of Women or the Dean of Men. Assignments are made in accordance with the needs, abilities, and interests of the students. Many students may find opportunities for part-time employment under the Economic Opportunity Act.

STUDENT LIFE

Student life at Bridgewater State College is a composite of a variety of activities and organizations meeting a wide range of student needs and interests and adding enjoyment and meaning to living and learning experiences. Through out-of-class participation in intellectual, social, religious, cultural, and recreational functions, students develop understandings and skills that enrich and extend classroom learnings and form an integral part of the college program. In sharing membership and leadership roles in these activities and organizations, they find opportunities to gain competencies that have direct application to class assignments, to their professional training, and to community situations.

Since Bridgewater State College believes that student participation in campus life is an important part of the educational process, it encourages student government at various levels and in all student activities. The STUDENT COOPERATIVE ASSOCIATION STUDENT COUNCIL aims to involve the student in a responsible way in the life of the college community, to serve as the means for the free expression of student opinion regarding college affairs as well as local, national, and international issues relevant to the student-citizen, and to unite the student community through helping students feel a part of the educational process.

STUDENT COOPERATIVE ASSOCIATION

This organization, through elected representatives, serves as the voice of student opinion and the body of student action. Annual dues support the student government and its activities. With payment of these dues, students are admitted to all athletic events at a reduced rate, receive library privileges, pay their class dues, receive copies of the college newspaper and a copy of the yearbook, ALPHA, at the end of their college career. The work of the entire association with its many committees is guided by the Student Council.

STUDENT COUNCIL

This is composed of the officers of the SCA together with class presidents and three elected delegates—at-large from each class. It aids in regulating all matters pertaining to student life which do not fall under the jurisdiction of the faculty, in fostering the spirit of unity and co-operation among the students, and in maintaining the
high standards of Bridgewater State College. This group aims to initiate the best movements of student collegiate life on the campus, and to improve and broaden life in the college by making available to the student the best that is possible in cultural and educational achievement.

The committees of the SCA in conjunction with the Student Council are:

Finance Committee

The function of this committee is to receive the budgets of the organizations requesting funds from the SCA and to recommend the final appropriation for that organization.

Assembly Committee

The function of this committee is to bring to the college speakers, outstanding in their particular fields, who will contribute to the cultural growth of the students.

Dining Hall Committee

This committee makes and enforces rules governing dining hall etiquette and meets with the college business manager and the boarding hall manager to discuss matters of student concern regarding the food service.

Elections Committee

This committee assists freshmen conducting their meetings, taking charge of their elections, and planning their class party. For the rest of the year its duties are to plan the order of and direct the elections of student officers.

Handbook Committee

The chief duty of this group is to prepare and publish a handbook containing information on rules, customs, and traditions of the College.

Library Committee

This committee assists in the maintenance of an efficient library system to meet the needs of a rapidly expanding college. It also collects fines and assessments which are used only for the upkeep and repair of books.

Public Relations Committee

This committee works with Instructional Media Department of
the College in promoting good will between the college and the communities it serves.

Social Activities Committee

This group plans the social calendar of the year, cooperating with club presidents and leaders so that any conflicts in social affairs may be avoided. It also serves in an advisory capacity for those students who are planning dances, teas, and other social functions.

Delegates-at-Large

The three delegates which each class elects are the connecting links between the student body and the administrative officers of the college through the Student Council. They report to their classes on the Council meetings and act as official representatives on all matters relating to the functions of their classes.

STUDENT ORGANIZATIONS

ALPHA, The College Yearbook

Alpha is the tangible record of the activities of the graduating class in particular, and of the college in general. The staff is selected on a basis of leadership qualities, personality, scholarship, and an ability and interest in the production of ALPHA.

Aquabrytes Club

This club is open to all students of the college interested in synchronized swimming.

Assembly Committee

The function of the Assembly Committee is to bring to the college speakers, outstanding in their particular fields, who will contribute to the cultural growth of the students. Pure entertainment, as such, is not the goal of the committee; rather it is to give something of a more lasting value to the student body.

A.C.E.I.

A student branch of the Association for Childhood Education International, this professional club is concerned with children from the ages of six to twelve. The main purpose of this organization is to learn to make the community a better place for all children.

Audio-Visual Club

This is a campus service organization, which aims to make available technical assistance, aids, and equipment when needed by the faculty, campus organizations, and student teachers, and to train club members and other interested students in the proper care and use of the A-V aids and equipment.
Biology Club

Open to biology majors, this club is interested in affording the students an opportunity to get together, exchange ideas, invite interesting speakers to the campus, and to have formal discussions with faculty.

Campus Comment

This, the official college newspaper, is issued bi-weekly throughout the year. Staff membership is open to any student wishing to participate. Promotion to the editorial board is based on a person's merit and length of service to the paper, according to the board's discretion.

Chameleon Conversation Coffee House

An organization sponsoring weekly programs by local artists to stimulate free discussion.

Chapbook

A literary magazine published twice each year.

Christian Fellowship

Christian Fellowship is the federation of Protestant students on campus. Its purpose is to stimulate study, thought, and action in an attempt to learn more completely the meaning of Christianity; to meet the personal needs of the members; and to share together in the total task of Christianity throughout the world.

Choral Society

This society consists of those students interested in singing and in good music. Students must pass a voice test to obtain membership in the club.

Day Student Organization

This organization was formed for the purpose of regulating matters pertaining to the life of the day students at Bridgewater, and for the promotion of fellowship among its members.

Debate Club

The club's purpose is to stimulate progress in and to further the interests of inter-collegiate speech activities. Membership is open to all students, and training and practice are available for all interested.

Dormitory Council

This was organized for the purpose of providing harmonious and pleasant dormitory life, and is responsible for making and requiring observance of the rules governing the general conduct of dormitory students.
Dramatic Club

The purpose of the club is to train all interested students in the various techniques of the stage; to develop ability to speak before an audience; and to provide entertainment for the college at large.

Earth Science and Geography Club

The purpose of the Earth Science and Geography Club is to encourage students to give informal expression to their interests in the earth sciences and geography through filed trips, sponsorship of lectures, and the development of extra-curricular projects. Membership is open to all students.

French Club

Le Cercle Francais is an organization for those who are interested in France and French culture. This group also sponsors a Mardi Gras celebration every other year in cooperation with other organizations on campus.

Herodotus Club

The purpose of this club is to create an interest and understanding of history throughout the student body. Membership is open to all students of the college.

International Relations Club

An organization of students interested in international affairs, Programs are planned to bring outstanding speakers to the campus. Each year a delegation from this group participates in the United Nations Student Assembly in New York.

Kappa Delta Pi Honor Society

A national society in education, this gives recognition to the highest professional, intellectual, and personal standards. Membership is open to a limited number of those seniors and juniors who are in the upper quintile of their respective classes, and who meet the society’s standards in regard to personality and contributions to the college.

Library Club

This group has as its prime objective, the maintenance of an efficient library system to meet the needs of a rapidly expanding college. This committee, working with the school librarians, consists of those students who have expressed a desire to work together with this objective in mind.

Mathematics Club

The objectives of this club shall be to afford an opportunity for students of mathematics and science to become better acquainted, to secure the intellectual stimulation that arises from professional association, to secure experience in preparing and presenting tech-
nical material before mathematical audiences, to foster a professional spirit among its members, and to instill a professional pride in mathematics.

Men’s Athletic Association
The purpose of the association is to carry out the men’s athletic program throughout the year, including both intramural and varsity sports.

Menorah Club
Menorah Club was formed primarily to promote interest in Jewish culture, ideals, and problems. Speakers, group discussions, and social affairs are included in the program, which is open to all members of the college.

Modern Dance Club
This organization invites all women students to participate in the use of the dance for creative composition and expression.

Newman Club
The particular aim of this club is to provide for a union of those students of the Catholic faith whose ideals and principles are similar to those of Cardinal Newman. The club’s aims are religious, educational, and social.

Organ Club
This group promotes interest in organ music, encourages proficiency in performing works on the organ, makes the organ available for college activities, sponsors concerts, and helps with the annual concerts of the college.

Phi Pi Delta Fraternity
This brotherhood offers opportunities for personality and character development, leadership and professional training, social and professional contacts, scholarship and personal aid. It introduces its members to new interests and evokes the feeling of brotherhood through cooperative activities and responsibilities.

P.E.M. Club
This is a professional organization in the field of physical education and health, made up of all members of the Physical Education Department, to advance the standards of teaching and leadership; to stimulate a wide and intelligent interest in health, physical education, and recreation; and to promote social and professional cooperation among students, faculty, and alumni of the college.

S.T.E.A.M.
The Student Teachers Education Association of Massachusetts is a professional organization open to Juniors and Seniors who are en-
rolled in a teacher education program, and provides opportunities for personal and professional growth; development of leadership skills; understanding of the history, ethics, and progress of education at state and national levels; and participation in professional activities at local, state, and national levels, especially intergrating programs of local associations and student education associations.

Verse Choir

The Verse Choir is a group of students selected by the Speech Department who produce several programs each year for the college. They also participate in intercollegiate verse speaking contests.

Veterans Club

This is an informal organization whose purpose is to work for the welfare of veterans on campus and to keep members informed about national programs of benefit to veterans.

Visual Arts Club

Its purpose is to stimulate an art-consciousness among students on campus. There is opportunity in the club to develop artistic talent, or simply to foster an interest in or love for art. Membership is open to all students.

Women's Recreation Association

This is the second largest organization on campus, and one of the most active. It serves the women of the college by providing for them opportunities for wholesome physical recreation, either as participants or as leaders. It also sponsors a variety of social events throughout the year.

HONORS AND AWARDS

To give recognition and prestige to student achievements in campus activities and to emphasize intellectual attainments, Bridgewater State College offers many honors and awards annually in May at Honors Day ceremonies.

Gladys L. Allen Scholarship

Awarded to the girl in the Junior Class of the State College at Bridgewater who has the best record in student teaching in grade two at the Burnell School.

Art Key

Sponsored by Rosa Silva '21, former art supervisor at the New Bedford High School and presented to the Senior who has been out-
standing in the field of art and art teaching.

The Mary Isabel Caldwell Award

Initiated by friends of Professor Caldwell and presented for the first time in May, 1967, is given to the Junior health and physical education major student, for the highest academic average for the first two and one-half years at Bridgewater State College.

Julia Carter Award

Sponsored by friends of Julia C. Carter, former Librarian. Presented to a student who has shown unselfish devotion to the well being and progress of the College Library.

Centennial Class Award in History

Sponsored by Dr. Jordan Fiore, '40, in honor of the Class of 1940. Awarded to the highest ranking senior student in the field of History.

Chapbook Award

An annual literary scholarship of $100.00.

Choral Club Awards

This award is given to the seniors who have been active participants of at least one choral group, demonstrating loyalty, dependability, and unselfish cooperation during membership.

Class of 1953 Award

Sponsored by the Class of 1953. Awarded to that senior who has never been elected to a major office, who is always loyal to his friends, his college and his responsibilities and who has demonstrated that he can follow as well as lead.

Delta Kappa Gamma Scholarship

A full year's tuition ($200.00) given to an underclasswoman student who excels in scholarship and loyalty to responsibility.

Elementary Key Award

Given by Laura Fernandes Nelson, '19, to the outstanding elementary major who typifies success in student teaching, leadership, and professional potential.

Faculty Wives Scholarship

Sponsored by the Faculty Wives Association and awarded to a
junior girl who has been outstanding in scholarship and in cultural activities of the college.

Robert V. Fay Scholarship

In memory of Robert Fay given by friends of Alpha Upsilon Fraternity to a Junior athlete who demonstrated athletic excellence, sportmanship and eagerness to serve his teammates.

The Judith Glynn Memorial Drama Award

The Judith Glynn Memorial Drama Club Award is given in honor of Miss Judith Glynn, a graduate of the Class of 1963, who was an active member of the Drama Club for four years. Miss Glynn was killed in an automobile accident in October of 1963. This award is presented to a member of the Drama Club who has stimulated an interest in drama and its allied art forms. Who has shown a willingness to accept any role or task assigned and has not attempted to gain notoriety or applause but to further the progress of the Bridgewater State Drama Club.

Herodotus Club Award

Presented by the Herodotus Club to a senior who has shown excellent achievement in History and the Social Sciences.

M. Katharine Hill Prize

Sponsored by the Hill Memorial Fund in memory of a beloved and gifted teacher, Mary Katharine Hill. Awarded to a senior whose interest in the field of literature has been outstanding.

Hill-Ross Award

Sponsored by the Class of 1935 to perpetuate the memory of Lt. Paul D. Hill and Capt. Donald E. Ross. Awarded to the outstanding member of the graduating class, who, by high standards of achievement and character, scholarship and participation in activities, has contributed most to the life of the College.

Kappa Delta Pi Scholarship

Awarded to the member of the senior class who has achieved the highest academic rank at the end of the junior year.

T. Leonard Kelly Award in Physical Science

Awarded in honor of T. Leonard Kelly, Chairman of the Department of Physical Science at Bridgewater from 1942-1965, and presented by the department to that senior major in the Physical Sciences
who has maintained the highest scholastic average throughout his undergraduate study at Bridgewater.

John F. Kennedy Memorial Award

Awarded by the Plymouth County Democratic League to a junior who has demonstrated leadership in club work and has maintained academic excellence.

Anna McGrory Award

Sponsored by the friends of Anna McGrory '40 who died at the age of 27 years. Presented to a girl in the graduating class who has not held a major office in the College but who has the following qualities: loyalty, faith, devotion, service and a sense of humor.

Civic Education Award

Awarded to the student who has ranked the highest in the Civic Education course. This prize is the gift of several members of the Class of 1940.

Men's Athletic Association Award

Sponsored by the Men's Athletic Association and awarded to a senior man for sportsmanship, scholarship, and athletic improvement.

Dr. Mary J. Moriarty Award

Presented annually by the Physical Education Alumni Association to a member of the graduating class of the Physical Education Major department. It is given for noteworthy scholarship, distinguished leadership, and outstanding service to both the physical education Department and the College.

Omega Iota Phi Sorority Scholarship

Sponsored by the Omega Iota Phi Sorority. Awarded to the most deserving underclasswoman who has maintained a high degree of self reliance and seriousness of purpose.

Physical Education Key

Sponsored by Myra I. Luce '21. Awarded to the Physical Education student who has achieved the most over a four year period in teaching ability, attitude toward teaching, professional appearance, skills, scholarship and activities.
S. Elizabeth Pope Award

Sponsored by Dr. Ellen Shea '35 in honor of S. Elizabeth Pope, former Dean of Women. Presented to that senior girl elected by the women of her class who has given of herself most generously in service to this college and in the promotion of good fellowship among her classmates.

Louis Carmel Stearns Award in Botany

Sponsored by the Alumni Association. Presented to that student who has demonstrated the greatest proficiency in the Botanical Sciences.

Outstanding Student Librarian Award

Given by the Student Cooperative Association Library Committee and the Library Staff, to the student librarian of the year who has distinguished herself in "Librarianship".

Dr. William G. Vinal Award

The Biology Club Award has been named in honor of Dr. William C. Vinal and is to be awarded for excellence in the field of Zoology for a 4-year period.

Fall River Area Alumni Club Award

To be given annually to the highest ranking senior from the Fall River area.

Bridgewater Area Club Award

The Bridgewater Area Alumni Club makes this award to the sophomore who was the highest ranking freshman.

Martin T. Rizzo Memorial Award

Presented to a student interested in but not necessarily participating in athletics, a student universally popular with his fellow students, a student who clearly demonstrates a determination to be academically successful.

Edith G. Shoolman Award

Sponsored by Edith G. Shoolman, Class of 1925, and awarded to that senior who has shown creative excellence in the study of English.

Student Cooperative Association Leadership Award

Sponsored by the SCA, and selected by the underclass members of
the Student Council. This award is given to the senior who has shown outstanding leadership in school and college activities.

Visual Arts Awards

Given by Professor Doris Tebbetts to the seniors contributing most consistently, loyalty, and effectively to the enrichment of campus culture through the Visual Arts. The Visual Arts Awards are presented to two seniors this year in recognition of their service to the Arts.

THE CAMPUS

The State College at Bridgewater is located just east of Central Square in Bridgewater, Massachusetts, off Routes 18, 28 and 104. At present the 100-acre campus contains 18 buildings with a Student Union Building to be completed by November, 1969. A library and an educational facilities building are in the planning stages.

Gates House, on the corner of Grove and Cedar Streets, has been the home of presidents of the college since 1933. It is now the home of President and Mrs. Adrian Rondileau.

The Martha M. Burnell School, on Grove Street facing the quad-rangle, is the laboratory school for Bridgewater students pursuing the Bachelor of Science in Education curriculum. The school provides four grades and a kindergarten where juniors do their student teaching under supervision. On the ground floor is a lounge where teachers may relax during their free time. The laboratory school is often visited by classes from the college, who observe demonstration lessons taught by the Burnell School faculty.

Also on Grove Street, next to the Burnell School is Woodward Hall, named for Eliza Woodward, a beloved teacher who served the college for many years. This large dormitory houses over two hundred women students. It has three floors containing eighty-five double and triple rooms. On the first floor are located the office of the Assistant to the Dean of Women, a music room, and a reception room. On the ground floor is a kitchenette, ironing room, recreation room, laundry room, and study hall.

At the corner of Summer and Grove Streets is the Men's Dormitory, a modern brick building which accommodates about one hundred young men. Between the Men's Dormitory and Park Avenue is the area called Lower Campus, which contains the College tennis courts. In this area will be the new student Union Building.

The first building on Park Avenue is the S. Elizabeth Pope Hall, named for a former Dean of Women. This dormitory contains all double rooms and houses one hundred and fourteen women students. The college informary is on the first floor of this building, which
also contains a modern reception area for entertaining guests. On the ground floor are laundry facilities, a combination lounge and study hall, and a cafeteria.

Next to Pope Hall is the Stevens Greenhouse and Botanical Gardens, located on land donated by Mrs. Elizabeth Stevens. Many rare and interesting plants are found in the greenhouse. The surrounding and interesting plants are found in the greenhouse. The surrounding gardens contain a small goldfishpond and picnic area for use by campus organizations.

Next to the Greenhouse is the Marshall Conant Science Building, a three-story structure which contains classrooms, laboratories, a lecture hall, and private offices for members of the science faculties.

Also on Park Avenue is the John J. Kelly Gymnasium, which contains two gyms, the swimming pool, showers and locker space for both men and women students, classrooms, and the offices of the faculty of the departments of Health and Physical Education. Next to the Gymnasium is a large parking lot for commuting students.

On School Street facing the quadrangle is the Clement C. Maxwell Library, which contains fifty thousand volumes. There are thirty-five student carrels, reference material, twelve listening rooms, a spacious reading room which also houses reference material, and a lounge for the faculty.

At the corner of the quadrangle on the corner of Summer and School streets is Tillinghast Hall, named for Nicholas Tillinghast, the first principal of the Normal School. The rooms in this women's dormitory are singles, with the exception of two suites. The spacious reception room on the first floor is used by the students for entertaining guests and for teas, meetings, and social functions of many kinds. On the same floor is found the college dining hall for dormitory students who live on the lower campus. On the ground floor is a reception room for students, the student post office, laundry facilities, some faculty offices, a new music room, and a suite which houses the Alumni Office.

September, 1967 saw the opening of the new high-rise residences on Great Hill. Three hundred women and three hundred men occupy these modern dormitories. The lower floor of each building contains reception rooms, a conference room, a music room, a post office, a laundry room and a vending machine room. A cafeteria for the use of both men and women is located in the men's residence hall.

The central building of the campus is Boyden Hall, also known as the "Ad Building". All administrative offices are found here, as well as many faculty offices and classrooms. Facilities for the use of commuting students, lunch rooms, and locker rooms are located on the ground floor. The Horace Mann Auditorium, in which plays,
concerts, lectures, and convocations are held, is in the northeast section of the building.

THE CLEMENT C. MAXWELL LIBRARY

General Information

The Clement C. Maxwell Library contains over 50,000 volumes and subscribes to over 500 periodicals and a dozen newspapers. Pamphlet and vertical file collections are maintained and there are microreading facilities. A copier is available for reproduction of material.

The library is on an open-shelf basis and uses the Library of Congress System of classification. Reference books and periodicals are located in the reading room on the library’s main floor. These materials do not circulate. The major part of the collection is on the ground floor and on the balcony above the main reading room. These materials are available for borrowing.

The card catalog is located in the entrance lobby of the building. A collection of children’s literature is housed in a third floor classroom and an adjoining resource room houses a collection of texts. In most cases there are two copies of each text, one of which circulates.

The directory at the library entrance shows the location of material on each floor. For more detailed information, students should consult the card catalog in the lobby. Call numbers of books are posted at the end of each stack range. If more assistance is needed in finding books, staff members are glad to assist students.

Interlibrary Loans

Interlibrary loans may be requested for material the Clement C. Maxwell Library does not possess. Information on this service is available at the circulation desk.

Borrowing Policy

Books, except overnight books and three-day reserve books, may be borrowed for a four week period. They may not be reserved. As many books as needed may be taken out at one time, provided this does not inconvenience other library users. The library reserves the right to call in books at any time.

Pamphlets and pictures may be borrowed for a two week period.

Students in training may borrow books for their entire training period subject to recall if needed. Books and other library materials used during the training period must be returned to the library on or
before the second Monday following the student's return to campus, otherwise fines will begin.

No books may be borrowed without presentation of the student's library card.

Books not found on shelves may be requested at the main circulation desk.

Reserved Books

A limited number of extensively used books are kept at the circulation desk. They have a long blue card instead of the regular book card and circulate either overnight or for a three-day period.

Overnight reserves may be borrowed after 1 p.m. on any school day. They are due before noon the following school day. These overnight reserves may be signed for in advance from Monday through Friday at the circulation desk. The sign-up book is ready Monday morning for the rest of the week.

Three-day reserves may be borrowed or returned at any time during the school day.

Two copies of each reserve title are kept in the library at all times during the school day, and reserves may be used in the library during class periods. They are signed for at the desk and returned at the end of the period.

Student Cooperative Fines System

Regular library materials: 05¢ per school day overdue
Overnight reserves: 25¢ per hour, beginning at 12 noon until a maximum of $1.00 is reached.
All other reserves: $1.00
Lost or damaged books must be paid for.

Requests for Additions to the Library

Book request cards are available at the circulation desk for students wishing to request addition of titles to the library. As much information as possible should be supplied as to title, author, publisher, and edition of book desired, and the student's name should be signed to the request.

Library Hours

While college classes are in session, library hours are as follows:
<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday through Thursday</td>
<td>7:45 A.M. to 10:30 P.M.</td>
</tr>
<tr>
<td>Friday</td>
<td>7:45 A.M. to 5:00 P.M.</td>
</tr>
<tr>
<td>Saturday</td>
<td>7:45 A.M. to 3:00 P.M.</td>
</tr>
<tr>
<td>Sunday</td>
<td>7:00 A.M. to 10:00 P.M.</td>
</tr>
</tbody>
</table>

This schedule is curtailed during vacations and announcements of changes in hours is posted in advance on the library bulletin board.

**GENERAL REGULATIONS**

**Attendance Policy**

1. Faculty members keep accurate attendance records for all students since these are needed for many purposes both legal and advisory. It is the responsibility of each faculty member at the beginning of each course to explain to the students his policy on attendance, particularly what he considers as excessive absence.

2. Probationary students and first semester freshmen are allowed no unexcused absences.

3. When the faculty member considers a student's absence excessive, the case is reported to the Division of Student Personnel. Conferences are held with the student to determine the cause of absences. Reports of these conferences are sent to the professor.

4. If the student involved is on probation, a report of these conferences are presented to the Academic Dean and the Academic Standing Committee. NO student is denied examination privileges. However, an absence report may be the determining factor in the separation of a borderline student from the College.

5. Make-up programs for periodic tests or quizzes are determined by each department. The privilege of making up mid-year or final examinations is granted only upon the receipt of a doctor's certificate or other valid excuses by the Academic Dean, the Division of Student Personnel, or the instructor.

6. The only excusing cause of absence from a semester examination is serious illness of a student or a member of his immediate family. All absence excuses must be documented and submitted to the Academic Dean for approval.

7. Education Students in Laboratory Schools
   
a. Juniors should report cases of unavoidable absence to the principal of the laboratory school before the beginning of the morning session.

b. Seniors doing their student teaching are to observe the rules
which govern the attendance of teachers in the school system to which they are appointed. They must ask permission of the supervisors before obtaining permission of the superintendent of schools or the principal in cases of desired absence. In case of unavoidable absence, the principal or the superintendent of schools should be notified before the morning session begins. They must notify promptly the supervisors from the College in case of absence or a "no school" session on days of the week assigned for supervision.

The Use of Alcoholic Beverages

As far as the College is concerned, the drinking of alcoholic beverages on State property or the possession of alcohol on the campus is sufficient reason for expulsion from the College.

Social Conduct

The administration reserves the right to exclude from College activities any student or guest of a student whose conduct does not conform to Bridgewater standards.

Marriage Policy

Women students may continue to attend college classes and if they so desire, live in a college residence after marriage. If a married woman student becomes pregnant, she should not register for the semester during which the last three months of the pregnancy occurs.

Suspension and Dismissal of a Student from the College

Suspension is considered a very serious matter and it follows the following procedure:

(1) First, a recommendation for suspension for disciplinary reasons must come to the President from the Deans of the College.

(2) Secondly, the case is then reviewed by the President who forms an independent judgment on the basis of all the facts available.

Under normal circumstances, a student would not be recommended for suspension unless there had been a previous instance of misconduct which had placed him on disciplinary probation, or if he had acted in such a manner as to threaten the security and safety of other students. It would be only in such instances of very threatening behavior that he would be requested to leave at the first instance of misconduct. In all other cases he would be put on disciplinary probation and his parents warned. Certainly no one would be dismissed without
serious cause. If the reasons for dismissal were not heinously offensive, the student would be allowed to withdraw from the College and have an opportunity to enter another institution of learning where hopefully he might achieve a very successful career.

Policies Concerning Car Use and Car Parking

The following traffic policies were adopted to facilitate vehicular movement and provide the safety of all persons using the campus of the College.

I. Campus Parking

A. Where students may park

1. Dormitory students living on the lower campus must park their cars directly behind the Burnell School Playground.

2. Dormitory students living on Great Hill must park their cars in the Great Hill parking lot.

3. Junior and Senior commuting students must park their cars in the large gymnasium parking lot.

4. Freshmen and Sophomore commuting students must park their cars in the Great Hill parking lot.

B. Areas reserved for parking by faculty and other members of the College staff.

1. The area behind Boyden Hall is reserved for the administration, faculty, and staff who have offices in that building.

2. Cedar Street (behind Boyden Hall)

3. At the side of Woodward Hall
   a. Grove Street to hydrant (reserved for Burnell School Faculty)
   b. From the hydrant to the old boiler room is reserved for non-teaching personnel.

4. Area behind the Men's Dormitory, Pope Hall, and Tillinghast Hall is reserved for personnel involved with these buildings.

5. The area adjacent to the Library is reserved for the faculty and staff who have offices in that building.
6. The area to the right of the gymnasium is reserved for faculty who have offices in that building.

7. The area behind the Science Building has been assigned and is reserved for administration, faculty and staff who have offices in that building.

II. Violations and Penalties

A. First violation - $1.00 fine

B. Second and subsequent violations - $5.00 fine per violation.

C. Any student receiving a ticket recording a parking violation must report to the Office of Traffic Control which is located in the Building to the rear of Woodward Hall. The office is open from 11:00 A.M. until 1:00 P.M. - Monday through Friday. The office will be closed during vacation periods.

D. Fines are due one week after the violation has been recorded.

E. Failure to pay these fines will result in the withholding of all grades, credits and transcripts.

F. Freshmen dormitory students are not allowed to have motor vehicles on campus.

III. Registration

A. Students must register every motor vehicle used for transportation to and from the campus.

B. A fee of $1.00 is charged for registration of each vehicle and a decal is issued for each vehicle.

C. Decals issued during September of 1967 are valid until September 1, 1968.

D. All decals issued prior to September 1, 1967 have expired.


F. Decals are to be placed on the vent window, on the driver's side of the car.

G. The letter "R" designating residence student, should be placed on the vent window, driver's side.

H. Decals are to be placed in a conspicuous spot on all motor bikes.

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Advanced Placement

Advanced placement is now being offered by the following departments: Biology, Chemistry, English, Foreign Languages, and Mathematics.

The department to which the student is applying for advanced placement will use these criteria for selection:

1. An advanced placement examination approved by the department;
2. High school academic record and recommendations;
3. Personal interview of the candidate by the department.

Students who are unusually well-prepared in a particular subject or who have participated in advanced placement or honors programs in high school are advised to write to the chairman of the department(s) concerned to learn the requirements for entrance into an advanced course or section.