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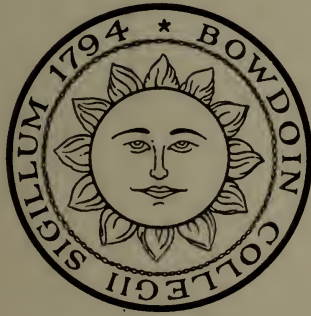
Bowdoin College Bulletin

Number 95

September, 1919

Courses of Instruction

1919-1920



Brunswick, Maine

Entered as second-class matter, June 28, at Brunswick, Me.
under Act of Congress of July 16, 1894

Published monthly by the College

NOTE

This Bulletin is mainly the announcement of courses that will be given during the academic year 1919-1920.

Particular attention is called to the rules which govern the choice of courses as recently revised by the Faculty. Pages 5 to 8.

The academic year begins Thursday, September 25, at 8.20 A. M.

Examinations for admission to college are held in Brunswick on the following dates:

Monday, September 22—9-12 A. M. History.
2-5 P. M. Latin.
7-9 P. M. Chemistry.

Tuesday, September 23—9-12 A. M. English.
2-5 P. M. French.
7-9 P. M. Physics.

Wednesday, September 24—9 A. M.-1 P. M. Mathematics.
2-5 P. M. German or Greek.

Required and Elective Studies

REQUIRED STUDIES

FRESHMAN YEAR. Candidates for the degree of A.B. are required to take Hygiene the first semester, English 4 the second semester; and

1. English 1, 2; and
2. One of the following: Greek A, B or 1, 2; Latin 1, 2; or Mathematics 1, 2; and
3. One of the following: Government 1, 2; Physics 1, 2; and
4. To comply with the requirements in modern languages in accordance with the terms of the following rule recently adopted by the Faculty:

“1. That of all candidates for the degree of A.B. or B.S., two years in either French or German be required, at least one year of which shall be taken in college. (This is not to be interpreted as altering the requirements for admission.)

“2. That of the same students there be required one year in a second modern foreign language to be chosen from those offered in the college curriculum”—French 1, 2; German 1, 2; Spanish 1, 2; Italian 1, 2; Russian 1, 2.

Note—1. The action of new requirements in modern languages, which apply to the Class of 1923 and following classes, may be illustrated by the following cases:

1. Students who enter with credits in Elementary French or in Elementary and Advanced French will take (1) either French 3, 4 or German 1, 2, 3, 4; and in addition (2) an elementary course in one other modern language: either German 1, 2 if he takes French 3, 4; or Spanish 1, 2; or Italian 1, 2; or Russian 1, 2.

2. Students who enter with credits in Elementary German or in Elementary and Advanced German will take (1) either German 3, 4 or French 1, 2, 3, 4; and in addition (2) an elementary course in one other foreign language: either French 1, 2, if he takes German 3, 4; or Spanish 1, 2; or Italian 1, 2; or Russian 1, 2.

3. Students who enter with credits in both German and French will take either German 3, 4 or French 3, 4. For such students additional courses in modern languages are optional.

Note—2. Candidates who enter without advanced Latin are required to take Latin A, B.

Candidates for the degree of B.S. are required to take Mathematics 1, 2; otherwise their Freshman courses are the same as those for candidates for the degree of A.B.

SOPHOMORE YEAR. Latin 1, 2, is required of candidates for the degree of A.B. who took Latin A, B in their Freshman year and who did not elect Greek A, B, or 1, 2, or Mathematics 1, 2.

Greek 1, 2 is required of candidates for the degree of A.B. who took Greek A, B in their Freshman year and who did not elect Latin 1, 2, or Mathematics 1, 2.

The required work in modern languages should be completed in the Sophomore year, if it has not already been completed in the Freshman year.

In addition to the foregoing required courses all students are required to take each year a course in Physical Training.

ELECTIVE STUDIES

Thirty-four (34) courses are required for a degree, in addition to Hygiene, English 4, and four courses in Physical Training. These courses, except those mentioned above under Required Studies, which students must take at the times designated, are all elective, but subject to the following regulations:

1. Each student, whether Regular or Special, is required to take four (4) full courses each Semester in addition to the required work in Physical Training, Hygiene, and English 4.

2. Each regular student is required to take a fifth (5) course during any two (2) Semesters after the Freshman year.

3. No student is allowed to elect more than one (1) extra course in any Semester unless one-half of his grades for the previous Semester have been B or higher, and then not without the consent of the Dean.

4. Each student is required to have completed before graduation one major and two minors. He must choose his major by the end of his Sophomore year, and must submit the courses chosen for the approval of the department in which the major is taken. He must also choose two minors at the same time, and must submit them for advice to the department in which the major is to be taken.

Definitions. A Major is a subject pursued through three (3) consecutive years, or the equivalent of three years. A Minor is a subject pursued through two (2) consecutive years.

5. Each student who is a candidate for the degree of B.S. must have completed before graduation a major in either Biology, Chemistry, or Physics.

Majors

On June 9, 1919 the following requirements in regard to Major Examinations were adopted by the Faculty:

"1. That a special examination, referred to below as the Major Examination, be required in all major subjects not later than the end of the first Semester of Senior year. This examination shall test the student's general grasp of his major subject.

"2. A satisfactory quality of work, with an average grade of at least C, must be maintained in the courses of the major subject, the major examination, and whatever extra work a department may deem advisable.

"This goes into effect with the Class of 1921."

The Departments in which majors may be elected have designated the following courses as constituting majors:

Biology. Any six courses.

- Chemistry. Courses 1, 2, 3, 4, 5, 6; or 1, 2, 3, 4, 6, and Mineralogy.
- Economics and Sociology. Courses 1, 2, 5, and any three others.
- English. Courses 13, 14, and any four others; but Courses 1, 2, 4, 5, 6, 7, 8 not to count.
- French. Any six courses; but Courses 1, 2 not to count.
- German. Any six courses; but Courses 1, 2 not to count.
- Greek. Courses 1, 2, 3, 4, and any two others.
- History and Government. Any six courses.
- Latin. Courses 1, 2, 3, 4, 5, 6.
- Mathematics. Courses 1, 2, 3, 4, 5, 6; or 3, 4, and Mechanical Drawing and Surveying.
- Philosophy and Psychology. Any six courses.
- Physics. Courses 3, 4, and any four others, including Mathematics 3, 4.

Minors

All courses offered in all departments count toward minors.

Courses of Instruction

1919-1920

ART

PROFESSOR ANDREWS

The courses in Art are to be omitted in 1919-1920.

ASTRONOMY

PROFESSOR HUTCHINS

1. Descriptive Astronomy. Monday, Wednesday, Friday, 9.30.

Elective for Sophomores, Juniors and Seniors.

2. Practical Astronomy. Second Semester: at the same hours.

Prerequisites, Mathematics 1, 2, and Astronomy 1.

BIOLOGY

Zoology

PROFESSOR COPELAND AND ASSISTANT PROFESSOR GROSS

1 and 2. General Introduction to Zoology. Lectures and laboratory work. Monday, Wednesday, Friday, 1.30. Laboratory divisions on the same days at 2.30 and 3.30.

PROFESSOR COPELAND

Elective for Sophomores, Juniors, and Seniors, and required of Freshmen in the Medical Preparatory Course.

Credit is not given for Course 1 unless Course 2 is taken.

6. Vertebrate Embryology. Lectures and laboratory work. Second Semester: Monday, Wednesday, Friday, 10.30-12.30.

ASSISTANT PROFESSOR GROSS

7 and 8. Special Laboratory and Field Investigations. Six hours a week, at the convenience of instructor and students.

PROFESSOR COPELAND AND ASSISTANT PROFESSOR GROSS

9. Organic Evolution. Lectures and readings. First Semester: Tuesday, Thursday, Saturday, 9.30.

PROFESSOR COPELAND

Elective for Juniors and Seniors.

10. Vertebrate Ecology and Behavior. Lectures, readings, field and laboratory work. Second Semester; six hours a week, at the convenience of instructors and students.

PROFESSOR COPELAND AND ASSISTANT PROFESSOR GROSS

Open to a limited number of Juniors and Seniors who are majoring in biology.

Botany

PROFESSOR COPELAND

1. Botany. Lectures and laboratory work. Second Semester: Monday, Wednesday, Friday, 8.30. Laboratory divisions on the same days at 9.30 and 10.30.

Elective for Sophomores, Juniors, and Seniors.

CHEMISTRY

PROFESSOR CRAM AND ASSISTANT PROFESSOR MESERVE

1 and 2. General Chemistry. Monday, Wednesday, Friday, 10.30. PROFESSOR CRAM

Elective for Sophomores, Juniors, and Seniors, and required of Freshmen in the Medical Preparatory Course. Freshmen not in the Medical Preparatory Course are admitted only in cases where there exists some special reason for their taking chemistry freshman year, which reason must be approved by the Dean and the Chemistry Department. Credit is not given for Course 1 alone.

3. Qualitative Analysis. First Semester: Monday, Wednesday, Friday, 2.30. PROFESSOR CRAM

Prerequisite, Courses 1, 2.

4. Quantitative Analysis. Second Semester. Five hours laboratory work and one hour lecture on Physical

Chemistry. Hour for the last to be arranged.

ASSISTANT PROFESSOR MESERVE

Prerequisite, Course 3.

4. (Out of term). Same as Course 4 above. First Semester.

Prerequisite, Course e (1918-1919). This course is to be given for the year 1919-1920 only.

ASSISTANT PROFESSOR MESERVE

5. Advanced Quantitative Analysis. First Semester: Thursday 2.30. Laboratory hours by appointment.

ASSISTANT PROFESSOR MESERVE

Prerequisite, Chemistry 4 or f.

6. Organic Chemistry. Second Semester: Monday, Wednesday, Friday, 2.30.

ASSISTANT PROFESSOR MESERVE

Prerequisite, Course 3.

7. Organic Chemistry. Chiefly laboratory work. First Semester: Hours by appointment. This course with Course 6 comprises a year's work in organic chemistry, and is designed to meet the requirements of the leading medical schools.

ASSISTANT PROFESSOR MESERVE

This course will be repeated in the second semester.

Prerequisite: Chemistry 6, taken either before or with this course.

8. Continuation of Course 5. Physiological Chemistry. Second Semester: Monday, Wednesday, and Friday, 1.30.

PROFESSOR CRAM

Permission will be given to a few Seniors of good standing to take this course in the Medical School.

ECONOMICS AND SOCIOLOGY

PROFESSOR CATLIN AND ASSISTANT PROFESSOR McCLEAN

1 and 2. Principles of Economics. Text-book, lectures, and conferences. Tuesday, Thursday, Saturday, 9.30.

PROFESSOR CATLIN AND ASSISTANT PROFESSOR McCLEAN

Elective for Sophomores, Juniors, and Seniors.

Credit is not given for Course 1 unless Course 2 is taken.

3. Money and Banking. Text-books, reports and lectures. First Semester: Tuesday, Thursday, Saturday, 11.30.

PROFESSOR CATLIN

Elective for Juniors and Seniors who have passed Courses 1, 2.

4b. Commerce and Commercial Policy. Text-book, reports, conferences, and lectures. Second Semester: Tuesday, Thursday, Saturday, 11.30.

PROFESSOR CATLIN

Given in 1919-1920; to be omitted in 1920-1921.

Prerequisites, Courses 1, 2.

5. Sociology. Text-books, readings, and lectures. First Semester: Tuesday, Thursday, Saturday, 10.30.

ASSISTANT PROFESSOR McCLEAN

Elective for Juniors and Seniors.

6. Applied Sociology. Text-books, reports, conferences, and lectures. Second Semester: Tuesday, Thursday, Saturday, 10.30.

Given in 1919-1920; to be omitted in 1920-1921.

ASSISTANT PROFESSOR McCLEAN

Prerequisite, Course 5.

7. Principles of Accounting. Lectures, text-book, and reports. First Semester: Tuesday, Thursday, Saturday, 9.30.

ASSISTANT PROFESSOR McCLEAN

Prerequisites, Courses 1, 2.

8. The Labor Problem. Lectures, readings, and discussions. Second Semester: Tuesday, Thursday, Saturday, 10.30.

PROFESSOR CATLIN

Elective for Juniors and Seniors.

ENGLISH

PROFESSORS MITCHELL, ELLIOTT, AND DAVIS

1. English Composition. First Semester: Div. A, Tuesday, Thursday, Friday, Saturday, 10.30; Div. B, Tuesday, Friday, Saturday, 11.30, Thursday, 9.30; Div. C, Tuesday, Friday, 9.30, Thursday, 8.30, Saturday, 8.30.

2. Continuation of Course 1. Second Semester: Div. A, Tuesday, Thursday, Saturday, 10.30; Div. B, Tuesday, Saturday, 11.30, Thursday, 9.30; Div. C, Tuesday, 9.30, Thursday, 8.30, Saturday, 8.30. PROFESSORS MITCHELL AND DAVIS

English 1 and 2 are required of all Freshmen.

3. English Composition. First Semester: Tuesday, Thursday, Saturday, 11.30. PROFESSOR DAVIS

Credit possible in addition to the course given under this name in 1918-1919.

Elective for Sophomores, Juniors, and Seniors.

4. Public Speaking. Second Semester: Div. A, Friday, 8.30; Div. B, Friday, 9.30; Div. C, Friday, 10.30; Div. D, Friday, 11.30. PROFESSOR MITCHELL

Required of Freshmen.

5. Debating. First Semester: Tuesday, 7.00-9.00 P. M., Thursday, an afternoon hour at the convenience of instructor and students. PROFESSOR DAVIS

Double credit possible. Prerequisites, Courses 1, 2, 3, 4.

15 and 16. English and American Literature from 1800 to the present day. Monday, Wednesday, Friday, 10.30. The Friday hour is dropped for conferences in Memorial Hall, hours to be set. PROFESSOR ELLIOTT

Elective for Sophomores, Juniors, and Seniors.

17 and 18. Milton, and Shakespeare's Comedies the First Semester; Shakespeare's Tragedies the Second Semester. Tuesday, Thursday, Friday, 2.30. PROFESSOR ELLIOTT

FRENCH

For the new requirements in modern languages see section 4 and note 1 on pages 5 and 6.

PROFESSOR BROWN AND MR.....

1. Grammar, composition, and reading of simple texts. First Semester: Monday, Wednesday, Friday, 2.30.

2. Grammar, composition, and reading of modern prose. Second Semester: at the same hours. PROFESSOR BROWN

3 and 4. Reading and Composition. Oral Practice. Two Divisions. Monday, Wednesday, Friday, 9.30 and 10.30.

PROFESSOR BROWN

Further courses will be announced later.

GEOLOGY AND MINERALOGY

PROFESSOR CRAM AND ASSISTANT PROFESSOR MESERVE

Geology

1 and 2. Physical and Historical Geology. Monday, Wednesday, Friday, 9.30. ASSISTANT PROFESSOR MESERVE

Elective for Sophomores, Juniors, and Seniors.

Mineralogy

1. Mineralogy. Second Semester: Tuesday, Thursday, Saturday, 8.30. PROFESSOR CRAM

Elective for Sophomores, Juniors, and Seniors, who have passed Chemistry I.

GERMAN

For the new requirements in modern languages see section 4 and note 1 on pages 5 and 6.

PROFESSOR HAM

1 and 2. Elementary German. Grammar, composition and reading. Monday, Wednesday, Friday, 8.30.

3 and 4. Advanced German. Composition and reading of short stories and scientific German. Monday, Wednesday, Friday, 9.30.

5 and 6. The Life and Works of Goethe. Monday, Wednesday, Friday, 10.30.

GREEK

PROFESSOR WOODRUFF

A. Elementary Greek. Text-book: Allen's First Year of

Greek. First Semester: four hours a week at the convenience of instructor and students.

B. Continuation of Course A. After completing the Allen text-book selections from Xenophon's *Anabasis* will be read, with exercises in writing Greek. Second Semester: at the same hours.

Elective for those who enter without Greek, but omitted whenever there are fewer than three applicants.

1. Homer. First Semester: Monday, Wednesday, Friday, 8.30, Tuesday 1.30.

2. Plato and Xenophon. Second Semester: at the same hours.

3. Lyric Poetry. First Semester: Tuesday, Thursday, Saturday, 10.30.

Prerequisites, Courses 1, 2.

4. Dramatic Poetry. Second Semester: at the same hours.

Prerequisite, Course 3.

7 and 8. Greek Literature in English Translation. Lectures and readings, conferences for informal discussion, and assignment of selected works for special study and written tests. First Semester: Tuesday, Thursday, Saturday, 9.30.

For Courses 7, 8 no knowledge of the Greek language is necessary.

Elective for Juniors and Seniors.

HISTORY AND GOVERNMENT

PROFESSORS BELL, STANWOOD AND HORMELL AND ASSISTANT
PROFESSOR VAN CLEVE

Men intending to elect any course in History and Government are requested to study carefully the following announcements.

History

3 and 4. Medieval History. Monday, Wednesday, Friday, 11.30.

Elective for Sophomores, Juniors and Seniors.

7 and 8. Nineteenth Century. Monday, Wednesday, Friday,
9.30.

Elective only for Juniors and Seniors who have taken at least one elementary course in History or Government; or Seniors who will take such an elementary course in conjunction with this course.

9 and 10. American History. Monday, Wednesday, Friday,
10.30.

Elective for same men as History 7, 8. Attention is called to the fact that no credit for this course will be given to men who have previously taken American History in college.

Government

1 and 2. Government. Tuesday, Thursday, at 1.30, and a third hour for conferences.

Elective for Freshmen, Sophomores, Juniors and Seniors who have not previously taken the courses listed in the catalogues as Government 1, 2; or Government a, b, c; or Government g, h.

International Law

1 and 2. International Law. Tuesday, Thursday, Saturday at 10.30.

Elective under the same conditions as History 7, 8; but not elective for any men who have previously taken courses in International Law in college.

THE CONDITIONS GOVERNING ELECTION OF THE COURSES WILL BE RIGIDLY ENFORCED AND MEN ELECTING COURSES FOR WHICH THEY ARE NOT ELIGIBLE WILL NOT RECEIVE CREDIT FOR THEM.

HYGIENE AND PHYSICAL TRAINING

PROFESSOR WHITTIER

Hygiene

Lectures on Human Anatomy, Physiology, and Personal Hygiene. First Semester: Thursday, 2.30.

Required of Freshmen.

Physical Training

1. REQUIRED ATHLETICS: From the beginning of the First Semester to December.

As far as possible students will be allowed to choose the branch of athletic sport to be followed. Among the athletic sports offered are: Football, baseball, track athletics, tennis, golf and archery.

Class Exercises: Military drill, setting-up drill, and Indian club swinging. Squad exercises (graded to suit the strength of each squad): Indoor athletics, chest weights, and heavy gymnastics. December to April: Monday, Wednesday, Thursday, 11.30.

Required of Freshmen.

2. Class Exercises: Dumb-bells and boxing. Squad exercises: Indoor athletics and wrestling. December to April: Monday, Wednesday and Thursday, 3.30.

Required of Sophomores.

3. Class Exercises: Fencing with single-track and broadsword. Squad exercises: Indoor athletics. December to April: Tuesday, Thursday, 4.30; Friday, 3.30.

Required of Juniors.

4. Class Exercises: Fencing with foils. Squad exercises: Indoor athletics. December to April: Monday, Wednesday and Friday, 4.30.

Required of Seniors.

ITALIAN

PROFESSOR BROWN

The courses will be announced later.

LATIN

DEAN NIXON AND MR.....

A. Selections from Curtius and from Ovid's Metamorphoses.

Prose Composition. First Semester: Monday 8.30, Tuesday 1.30, Wednesday, Friday 8.30.

B. Selections from Virgil's Aeneid. Second Semester: at the same hours.

DEAN NIXON, with the assistance of a student instructor.

Required of all candidates for the degree of A.B. who have not received credit in Advanced Latin for admission.

1. Introduction to Latin Prose Literature. Selections from Livy, Cicero, and Pliny the Younger. First Semester: Div. A, Tuesday 11.30, Thursday 9.30, Friday 11.30, Saturday 9.30. Div. B, Tuesday, Thursday, Friday, Saturday, 10.30.

2. Introduction to Latin Poetry and Drama. Horace, Selected Odes; Terence, one play; Plautus, one play. Second Semester: at the same hours.

DEAN NIXON

Ordinarily Course 2 may not be taken by students who have not had Course 1.

Elective for Freshmen.

3a. Plautus: Several comedies will be read with special attention to idiomatic translation and dramatic construction. First Semester: Tuesday, Thursday, Saturday, 8.30.

DEAN NIXON

Prerequisites, Courses 1, 2.

4a. Virgil. Selections from the Elogues and Georgics; rapid reading of the Aeneid. Second Semester: Tuesday, Thursday, Saturday, 8.30.

DEAN NIXON AND MR.....

Prerequisite, Course 3a.

The Sewall Latin Prize is annually awarded to the Sophomore who passes the best examination in this course.

5a. Lucretius, De Rerum Natura. First Semester: Monday, Wednesday, Friday, 10.30.

DEAN NIXON AND MR.....

Prerequisite, Course 4.

6a. Seneca, Selected Letters and De Clementia; Apuleius,

Cupid and Psyche; Petronius, Trimalchio's Dinner; Quintilian, Selections. Second Semester: three hours a week at the convenience of instructor and students.

DEAN NIXON

LITERATURE

PRESIDENT SILLS

1 and 2. Comparative Literature. The Influence of the Classics on Later Literature and Life. Monday, Wednesday, Friday, 11.30.

Elective for Juniors and Seniors.

MATHEMATICS

PROFESSOR MOODY AND ASSISTANT PROFESSOR NOWLAN

1 and 2. Algebra, Trigonometry, and Analytic Geometry. Monday, Tuesday, Wednesday, Friday. Div. A and C, 8.30; Div. B and D, 9.30.

PROFESSOR MOODY AND ASSISTANT PROFESSOR NOWLAN

3 and 4. Analytic Geometry and Calculus. Monday, Tuesday, Wednesday, Friday, at 11.30. PROFESSOR MOODY

5 and 6. Integral Calculus. Monday, Wednesday, and Friday, 11.30. ASSISTANT PROFESSOR NOWLAN

9. Spherical Trigonometry. Second Semester.

10. Solid Geometry. First Semester.

The hours for Courses 9 and 10 will be fixed at the convenience of instructor and students.

MUSIC

ASSISTANT PROFESSOR WASS

1 and 2. Music as an Art. Tuesday, Thursday, Saturday, 8.30.

Elective for Sophomores, Juniors, and Seniors.

3. Harmony, Elementary. First Semester: Tuesday, Thursday, Saturday, 9.30.

Elective for Sophomores, Juniors, and Seniors; no prerequisite.

4. Harmony, Advanced; Counterpoint, Elementary. Second Semester: at the same hours.

Prerequisite, Course 3.

5 and 6. Counterpoint. Tuesday, Thursday, Saturday, 10.30.

Elective for those who have passed Course 4 with a grade of B, or higher.

PHILOSOPHY AND PSYCHOLOGY

PROFESSOR BURNETT

Philosophy

The courses will be announced later.

Psychology

1 and 2. General Psychology. Tuesday, Thursday, Saturday, 8.30.

Elective for Sophomores, Juniors, and Seniors.

3. Abnormal Psychology. First Semester: Tuesday, Thursday, Saturday, 9.30.

Prerequisites, Courses 1, 2.

4. Social Psychology. Second Semester: at the same hours.

Prerequisites, Courses 1, 2.

5 and 6. Experimental Psychology. Tuesday, Thursday, 1.30-4.30.

Prerequisites, Courses 1, 2.

Under certain circumstances this work may be continued for another year.

PHYSICS

PROFESSOR HUTCHINS AND MR. LITTLE

1 and 2. General Physics. Lectures and laboratory work. Monday, Wednesday, Friday, 8.30. Laboratory work two con-

secutive hours on Thursday, Friday, or Saturday.

MR. LITTLE

Text-book: Kimball's College Physics.

Credit is not given for Course 1 unless Course 2 is taken.

3 and 4. Mechanics, Thermodynamics, and the Theory of Heat Engines. Lectures, recitations, and laboratory work. Monday, Wednesday, 1.30. Laboratory work four consecutive hours on Monday, Tuesday, or Wednesday. MR. LITTLE

Prerequisites, Courses 1, 2, or their equivalent, and Mathematics 1, 2. Students taking Physics 3, 4 should have taken or should be taking Mathematics 3, 4.

5 and 6. Magnetism and Electricity. Monday, Wednesday, Friday, 1.30-3.30. PROFESSOR HUTCHINS

RUSSIAN

PROFESSOR HAM

1 and 2. Grammar, composition, and reading. At hours to be arranged.

Elective for Sophomores, Juniors, and Seniors.

SPANISH

For the new requirements in modern languages see section 4 and note 1 on pages 5 and 6.

PROFESSOR HAM AND MR.....

1 and 2. Elementary Spanish. Grammar, composition and reading. Monday, Wednesday, Friday, 2.30.

PROFESSOR HAM

3 and 4. Advanced Spanish. Reading and composition. Monday, Wednesday, Friday, 1.30. MR.....

SURVEYING

ASSISTANT PROFESSOR NOWLAN

1 and 2. Surveying. Monday, Wednesday, Friday, 1.30-3.30. Prerequisite, Trigonometry.

