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CATALOGUE
OF
THE UNIVERSITY OF TEXAS
1924–1925

With Announcements for
1925–1926

PUBLISHED BY THE UNIVERSITY FOUR TIMES A MONTH, AND ENTERED AS
SECOND-CLASS MATTER AT THE POSTOFFICE AT AUSTIN, TEXAS,
UNDER THE ACT OF AUGUST 24, 1912
which repeats the work of the preceding term; in the absence of such a section, he is dropped from the course.

Higher Work after Failure.—If a student makes an F or sub in a course, he may not take up a higher course in the same subject until the course is taken again. If a student makes an F in a course, he may take up a higher course in the same subject only with the written consent of the chairman of the department concerned, approved by the dean of his college or school.

CLASSIFICATION OF STUDENTS

Students are classified as regular and irregular. Under Regular Students are grouped graduate students, candidates for degrees desiring to take courses in the College of Arts and Sciences, and all others taking at least four courses (12 hours). Under Irregular Students are grouped those taking fewer than four courses (12 hours) who are not candidates for degrees desiring to take courses in the College of Arts and Sciences.

Students are divided into freshmen, sophomores, juniors, and seniors. Until the completion of the first year (15 hours) in addition to the admission requirements, they are freshmen; then, until ten courses (30 hours) are completed, sophomores; then, until fifteen courses (45 hours) are completed, juniors; then seniors until graduation and graduation thereafter.

*REQUIREMENTS FOR DEGREES*

In the College of Arts and Sciences five degrees are offered: Bachelor of Arts, Bachelor of Journalism, Bachelor of Music, Bachelor of Science in Home Economics, Bachelor of Science in Medicine, and Bachelor of Science in Nursing.

Unless application is made to the dean in person or by mail at least ten days before the opening of the session at the end of which the degree is desired, the candidate for the degree will be subject to delay, inconvenience, and expense.

*BACHELOR OF ARTS*

To secure the degree of Bachelor of Arts, the student must complete the work prescribed under A and satisfy the requirements set down under B, below. For the pre-law and pre-medical schemes, see page 101.

A. Prescribed Work

(1) Two courses in English (English 1, and 2 or 3).
(2) One course in mathematics (Mathematics 1).

*See also "Degrees," page 61.

B. Special Requirements

(1) The student must make at least an average of thirty points on the third course on the courses taken at the University which are required and counted toward the degree, an A grade on a third course counting as 42 points; a B as 36 points; a C as 30 points; and a D as 24 points.

(2) Students whose average is at least forty points per one-third course with an A on the general examination shall be graduated "with high honors"; students whose average is at least thirty-eight points per one-third course with an A on the general examination shall be graduated "with honors." Students whose average is at least thirty-five points per one-third course with at least a B on the general examination shall be graduated "with honors." (See "Numbers and Letters," page 87.)

(3) The student must, before May 15 of his senior year, if a candidate, or August 5 if an August candidate, show such ability to write clear and correct English as to satisfy the Committee on Students' Use of English. To promote the habitual use of clear and correct English, the written work of every student in his courses (theses, reports, quizzes, examination papers, etc.) is subject to inspection by the committee. It is the duty of each member of the teaching staff to require that his students shall be careful in their use of English, to give due weight in the making up of grades...
to the student's use of English, and to report promptly to the committee, submitting the evidence, any student whose use of English is seriously defective. If any student be found deficient, the committee will prescribe for him such work as in its judgment is proper, and this work must be done to the satisfaction of the committee before the student can obtain his degree.

(4) The student must show such ability to read one foreign language as to satisfy the Committee on Foreign Language Requirements. To meet this requirement, he may present himself to the committee at the end of his sophomore year, or at the beginning or end of his junior year, and unless he has previously satisfied the committee, he must present himself at the beginning of his senior year. If he fails to satisfy the committee at this time, he shall have one further opportunity the following spring before March 15.

It is the intent of this requirement that the student should have such control of the language chosen by him that he can understand and translate prose of moderate difficulty, preferably, in the case of the modern languages, in the field of his major subject.

C. Degree Groups

The courses laid down in one of these groups must be included with the twenty required for the B.A. degree.

The student is advised to choose his group as early as possible during his college career, but is not required to do so until the beginning of his junior year.

The student will note that it is possible to arrange his major and electives so as to take effect two majors, belonging either to the same or to different groups. Such an arrangement is especially suitable for those who wish to teach two subjects.

Courses in education, law, engineering, and business administration do not count either as majors or minors, except that such administration may be used as a minor when either economy or government is a major.

Courses taken to meet the "A. Prescribed Work" count also as courses satisfying the requirements laid down in that subject in these groups:

Classical, Greek and Latin Group

Major Subject: Four and two-thirds courses in Greek or Latin.
Minor Subject: Two and two-thirds courses in the ancient languages not chosen for the major subject.

Not more than eleven courses may be counted in foreign language.

English, Comparative Literature, and Public Speaking Group

Major Subject: Three advanced courses in English or Comparative literature, or in English and comparative literature together.

French, German, and Spanish Group

Major Subject: Two numbered courses in Latin or German or any other foreign language.
Minor Subject: Two courses in social science (besides the required history), or two courses in social science (besides the required history) and one course in journalism or in public speaking.

Pure and Applied Mathematics Group

Major Subject: Two courses in mathematics, of which at least one must be advanced.
Minor Subject: Three courses in a second subject, preferably science or philosophy or chemistry or economics.

One course in philosophy.

American Science, or Botany, Chemistry, Geology, Physics, and Zoology Group

Major Subject: Four courses in one natural science.
Minor Subject: Two courses in a second natural science, unless the major subject be physics, in which case there must be two courses in mathematics (Mathematics 1 and 20) and one course in chemistry; the major subject in chemistry, in which case there must be two courses in another natural science or Mathematics 1 and Physics 1 or 38.

Not more than eleven courses may be counted in foreign language, German or French is advised.

Not more than eleven courses may be counted in the natural science.

Sociology, or Anthropology, Economics and Sociology, Government, History, and Philosophy and Psychology Group

Major Subject: Four courses in one social science.
Minor Subject: Two courses in a second social science, or in other subject if the major subject be philosophy and psychology.
If the major subject be economics or government, business administration may be chosen as a minor. One course in a third social science. Not more than eleven courses may be counted in the social sciences.

D. Rules Governing the Order and Choice of Work

Freshman Year

(1) The following work is prescribed for the freshman year:
   (a) English 1.
   (b) One course in mathematics (Mathematics 1).
   (c) A foreign language, either ancient or modern.
   (d) A natural science or a second foreign language, either ancient or modern, or history.
   (e) One other course, if needed to make five. (See "Amount of Work, pages 89-91.)
   (f) Physical training.
(2) Two foreign languages may not be begun by freshmen.
(3) Only courses marked with a capital letter F following the course number are open to freshmen, unless they secure higher standing.
(4) Freshmen may not take more than one and one-third terms in one department.

Sophomore Year

(5) The following work is prescribed for the sophomore year:
   (a) Any unsolved freshman requirements.
   (b) English 2 or 3.
   (c) A foreign language, either ancient or modern, a modern language was begun in the freshman year, it must be continued here.
   (d) A natural science.
   (e) Enough other courses to make five.
   (f) Physical training.

Junior Year

(6) The following work is prescribed for women for the junior year:
   Physical training.

Senior Year

(7) If any term of a course prescribed for freshmen is filled after fifteen courses have been completed or during the session of graduation, that course will not count toward the required twenty courses.
(8) If a condition in a course open to freshmen is removed during the session of graduation, that course will count for one-third less than its value.
(9) If a course open to freshmen is taken after fifteen courses have been completed in the junior year or during the session of graduation, it will count as one-third of a course less than its value.

General Limitations

(10) Not more than six courses may be counted in one subject, not more than six in English and comparative literature together; not more than four courses may be counted in business administration, or in economics or journalism or library science or music.
(11) Not more than five in any combination of business administration, economics, journalism, and library science with one another or an education, engineering, and law, except in the combination of economics and education, or of library science and education, nor six courses may be counted.
(12) As many as four courses may be counted from outside the College of Arts and Sciences.

WORK PREPARATORY TO LAW

LEADING TO THE DEGREE OF BACHELOR OF ARTS

A student who completes the following courses before he is admitted to the School of Law, and who completes the requirements for the B.A. degree, shall be entitled at the time he receives the L.L.B. degree to receive also the B.A. degree.

Freshman Year: English 1; a foreign language; History 74; Mathematics 1; a natural science.

Sophomore Year: Economics 1 or 6; English 2 or 3; a second year in the foreign language begun in the freshman year; Government 5.

Junior Year: Business Administration 411, Economics 2 or 11; two other advanced courses; Government 15 or 22; a one-third course in philosophy or psychology.

A student must make an average of at least B in his sophomore years, and must satisfy requirements B (9) and (4) and add four in the requirements for the Bachelor of Arts degree.

WORK PREPARATORY TO MEDICINE

SCHEME I. LEADING TO THE DEGREE OF BACHELOR OF ARTS

This scheme fulfills the admission requirements of medical schools and demands in this respect are highest.
117s. I. Forms of Public Address.—Study and preparation of addresses for special occasions, including a critical analysis of samples. Prerequisite: Sophomore standing and Public Speaking, or special permission of the instructor. Section 1, MWF 10 (I); Section 2, TTS 10 (VI); Section 3, MWF 11 (VII).

202sp. I. Extemporaneous Speaking.—Theory and methods. Training in thinking before an audience; class exercises in speaking extemporaneously on assigned topics. Prerequisite: Public Speaking I, or special permission of the instructor. Section 1, MWF 10 (I); Section 2, TTS 10 (VI); Section 3, MWF 11 (VII).

210ws. I. Debate.—Study of principles of argumentation—analysis, evidence, proof, and refutation. Critical study of masterpieces of argumentative oratory; briefs and forensics; class exercises in debating. Prerequisite: Sophomore standing and Public Speaking, or special permission of the instructor. Section 1, MWF 11 (VII); Section 2, TTS 11 (VIII).

203ws. Oratory.—Rhetoric of persuasive speech. Study of historical masterpieces. Practice in writing and delivery of different types of public addresses. Prerequisite: Junior standing. TTS (IV). Associate Professor Griscom.

For Undergraduates and Graduates

15. A. Seminary in Public Speaking.—Special study of subjects for the University and intercollegiate public speaking and essay tests. Class exercises in the discussion of assigned topics in two of the subjects studied. Open to students who have completed four full courses in public speaking. Associate Professor Griscom.

DEPARTMENT OF PURE MATHEMATICS

PROFESSORS PORTER, DODD, MOORE; ASSOCIATE PROFESSORS RALPH ETTINGER, ADJUNCT PROFESSORS DECHERD, W. RATHELD, VAN DIVER; INSTRUCTORS HORTON, HOLMES, LUBIN, STAFFORD, MULLING, ROBERSON

The College of Arts and Sciences' degree requirement of a course in mathematics may be satisfied by any three of the following: Mathematics 1 for which the student may properly register.

Students without credit for trigonometry who register for Mathematics 1 in the fall term are required to take Pure Mathematics 1abc or Mathematics 1bcd.

Students should take three thirds of Mathematics 1 consecutively in natural order—or otherwise, difficulty may be experienced.

For Undergraduates

111a. Plane Trigonometry, Algebra, and Analytic Geometry.—Prerequisite: Trigonometry.

111b. Analytic Geometry.—The third term of Pure Mathematics.

112. Calculus.—Calculus is recommended to students of physics and chemistry and to students intending to continue mathematics. Prerequisite: Pure Mathematics 1. If before taking Pure Mathematics 1, a student has four, five, or six thirds of mathematics, Pure Mathematics 3 will count as one, two, or three thirds advanced. Section 1, MWF 11 (VII); Section 2, TTS 11 (VIII). *Professor Ettlinger.

115. The Mathematics of Finance.—Compound interest, annuities, amortization, sinking funds, depreciation, mortality tables, life insurance, and pensions. Prerequisite: Pure Mathematics 1 with grade of C or above. TTS 9 (IV). (Given also as a course in the School of Business Administration.) Professor Dodd.

116. Solid Analytic Geometry.—Prerequisite: Pure Mathematics 1 or 2. MWF 10 (V). Associate Professor Ettlinger.

120. Algebra.—Elementary theory of equations, determinants, symmetric functions, theory of polynomials, etc. Recommended for prospective teachers. Prerequisite: Mathematics 1. MWF 9 (V). Adjunct Professor Van Diver.

A course stretching over 3 terms is characteristic of a quarter system.
225fw. I. Descriptive Geometry.—Methods of representing objects of space by drawings in the plane and the solution of problems of space geometry by plane constructions. Prerequisite: Three thirds of Pure Mathematics 1. MWF 10 (V). Associate Professor EITTLINGER.

For Undergraduates and Graduates

8. A. Mathematical Statistics.—Theory of classes, frequency distributions, simple and partial correlation—with applications. Prerequisite: Two courses in mathematics. MWF 11 (VI). Associate Professor BENNETT.

10. A. Introduction to Modern Analytic Geometry.—Space transformations and invariants. The methods will be largely analytic. Prerequisite: Pure Mathematics 1 (including 1cd) and 3, the latter of which may be taken in parallel.

19. A. Actuarial Mathematics.—(a) Graduation of mortality tables; premiums for life insurance and annuities; (b) insurance for several lives; (c) varying benefits; valuation. Prerequisite: Pure Mathematics 3 or 9. (Given also as a course in the School of Business Administration.) Professor DODD. (Alternates with Pure Mathematics 20; omitted in 1925-1926.)

107f. A. Elementary Number Theory.—Divisibility; linear congruences, quadratic residues, quadratic forms. Prerequisite: Pure Mathematics 3 or 9. Associate Professor BENNETT. (Given alternate years; given in 1926-1928.)

107f. A. Ruler and Compass Constructions.—Critical study of constructions of plane geometry, with numerous applications. Recommended to prospective teachers. Prerequisite: Two courses in mathematics. MWF 9 (III). Associate Professor BENNETT.

186s. A. Introduction to Foundations of Geometry.—Examination of the postulates of Euclidean and of other types of geometry. Prerequisite: Two courses in mathematics. Professor MOORE.

206w. A. Linear Transformations.—Invariants and the abstract theory of matrices with applications to analytical projective geometry. Prerequisite: Pure Mathematics 9 or 26 and consent of the instructor. Associate Professor BENNETT. (Given in alternate years; given in 1926-1928.)

11. S. Advanced Calculus.—Rigorous treatment of the foundations of the calculus. The convergence of infinite series, improper integrals, differential equations, and other topics. Prerequisite: Pure Mathematics 3. TTS 11 (VIII). Professor DODD.

12. S. Analytical Mechanics.—Equilibrium and motion of a particle and rigid body in two or three dimensions. Prerequisites: Pure Mathematics 3. TTS 10 (VI). Associate Professor EITTLINGER.

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For Graduates

46. G. Advanced Mathematics.—To be given occasionally to meet special need of candidates for advanced degrees. Adjunct. Professor VANDER

46. G. Introduction to Modern Analysis.—Designed to give the student some idea of the scope and power of function-theoretic tools and some insight into the leading ideas of modern mathematics. Prerequisite: Pure Mathematics 11. Professor PORTER. (Omitted in 1924-1925.)

47. G. Partial Differential Equations; Fourier's Series; the Newcomb Potential Function.—Recommended for advanced students of physics and engineering. Prerequisite: Pure Mathematics 22 or its equivalent. Associate Professor EITTLINGER. (Omitted in 1925-1926.)

48. G. Analytic Functions.—Prerequisite: Pure Mathematics 11 and consent of the instructor. Professor PORTER.

56. G. Foundations of Mathematics.—Critical study of the foundations of mathematics. Prerequisite: Senior or graduate standing and consent of the instructor. Professor MOORE.

57. G. Point-sets and Continuous Transformations.—Critical study of point-sets, curves, regions, etc. Prerequisite: Senior or graduate standing and consent of the instructor. Associate Professor MOORE.
COURSES IN FRENCH

1. Composition and Reading.—Continuation of French 1. Compositions and reading of representative modern French authors. Prerequisite: French 1. Seven sections.

For Undergraduates and Graduates

The following courses are not open to students who have completed the first numbered courses in French.


3. Advanced Composition.—Conversation and grammatical courses for advanced students. Formal study of grammar, reproduction, and original composition. MWF 9 (III). Adjunct Professor Batchelder.

4. History of the French Drama since 1686.—Adjunct Professor Schaffer. (Given in alternate years; omitted in 1923-1924.)

5. History of the French Novel.—Emphasis will be on the eighteenth and nineteenth centuries. TTS 9 (IV). Adjunct Professor Schaffer. (Given in alternate years; given in 1923-1924.)

6. History of French Lyric Poetry.—Emphasis will be on the eighteenth and nineteenth centuries. Adjunct Professor Wheatley. (Given in alternate years; omitted in 1923-1924.)


9. Methods and Books.—Discussion of the methods now in use in teaching French, and a critical examination of some of the books commonly employed in teaching French in this country. MWF 11 (VII). Professor Villavaso.

For Graduates

10. Old French Literature.—Professor Villavaso.

11. Molière.—Adjunct Professor Schaffer.

12. Voltaire.—Adjunct Professor Pfleuger.

13. Old French Language.—Professor Villavaso.

DEPARTMENT OF ROMANCE LANGUAGES

PROFESSORS CASE, VILLAVASO; ASSOCIATE PROFESSORS *MOORE, SIMS, GLASCO; ADJUNCT PROFESSORS WEISINGER, SCHAFFER, PFLEUGER, WHEATELY, SWANSON, PHILLIPS; INSTRUCTORS KRESS, SCHMIDT, SPELL, HAYNES, QUALIA, WESSEY, BAKER, WELLER, KELLY, JOPH, ELLIOTT, GAZZA, PHILLIPS; TUTORS DANCELLI, THOOF, WHEATELY, WILLIAMSON.

The admission requirement of three units is represented in French and Spanish, by courses A and 1; the admission requirement of two units is represented by course A and the fall term of 1. The two units of Spanish should take course 1 in that language. The fall term, however, is limited to a degree unless a grade of at least B is made.

Students presenting three admission units in French stand on French 2. Those presenting three units in Spanish should take Spanish 2 or 22, only one of which may be counted toward the major.

For students presenting two admission units in Spanish, the second course A in that language will not count toward a degree, for the students presenting three units, neither course A nor course 1.

Students intending to teach French in secondary schools are expected to take French A 1, 2, 3, 43, 5, 6, 7, and 8; these units, together with Spanish A 1, 2, 3, 4, 5, 6, and 7, are required for teaching Spanish. Those intending to teach Spanish are expected to take Spanish A 1, 2, 3, 4, 5, 6, 7, and 8; these units, together with French A 1, 2, 3, 4, 5, 6, 7, and 8, are required for teaching Spanish.

FRENCH

For Undergraduates

A. F. Beginners' French.—Nine sections.

I. F. Composition and Reading.—Prerequisite: French A 1, 2, 3, 4, 5, 6, 7, and 8; sections.