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CATALOGUE

.OF

THE UNIVERSITY OF TEXAS

1924-1925

With Announcements for

1925-1926

Dep't. of App Math



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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 a G 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 E 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 the following June, 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 the following June.

Students are divided into freshmen, sophomores, juniors, and seniors. Until the completion of five courses (15 hours) in addition to the full 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 graduates 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.

U Texas 1925-26

- (3) Two numbered courses in one foreign language, either ancient or modern.
- (4) Two courses in the natural sciences, one being in chemistry or physics, the other being Botany 1, or Geology 1, or Zoology 1 or 16. Any one may be taken first.
- (5) One course in economics (Economics 1) or government (Government 1); recommended, but not compulsory, for women.
- (6) At least a one-third course in philosophy or psychology.
- (7) The courses set down in one of the groups below under C.
- (8) Five advanced courses or three advanced courses and one senior course. (See "Numbers and Letters," page 87.)
- (9) Enough other courses to make twenty, chosen by the student subject to the rules set forth in D, below.

B. Special Requirements

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

Students whose average is at least forty points per one-third course with an A on the general examination shall be graduated "with highest 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 high honors"; students whose average is at least thirty-six points per one-third course with at least a B on the general examination shall be graduated "with honors."

- (2) Before May 15 of the spring term of his senior year, at a time and place fixed by the faculty of the department in which the student has elected to major, the student must pass a general four-hour written examination in his major subject. In setting this examination the faculty of the department will take into account the particular courses elected by the student, but will expect a more mature and comprehensive knowledge than is required in the regular term examination. (This paragraph does not apply to students graduating before June, 1925.)

- (3) The student must, before May 15 of his senior year, if a June 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 all 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

Deg't. of
Applied
Math

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A "one third
course" taking
place in a term
suggests a
quarter system
with a full course
being 3 quarters

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 must present himself at the beginning of his senior year. If at the time he fails to satisfy the committee, 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 in the twenty required for the B.A. degree.

The student is advised to choose his group as early as possible in 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 so to arrange his minors and electives as to take in effect two majors, belonging either to the same or to different groups. Such an arrangement is especially desirable 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 business administration may be used as a minor when either economics or government is a major.

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

Classical, or 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 language not chosen for the major subject.

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

English, Comparative Literature, and Public Speaking Group

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

U Texas 1925-26

Minor Subjects: Two numbered courses in Latin or German or Greek or French. Students who present three courses in comparative literature may offer two numbered courses in Spanish as a minor subject.

One course in history.

A third numbered course in foreign language (either ancient or modern), or three 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: Five courses in mathematics, of which at least two shall be advanced.

Minor Subjects: Three courses in a second subject, preferably physics or philosophy or chemistry or economics.

One course in philosophy.

French, German, and Spanish Group

Major Subject: Four numbered courses in French or German or Spanish.

Minor Subjects: Three numbered courses in a second foreign language (either ancient or modern), or three numbered courses in two foreign languages (either ancient or modern).

One course in history.

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

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

Major Subject: Four courses in one natural science.

Minor Subjects: 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 33) and one course in chemistry; or unless the major subject be chemistry, in which case there must be either two courses in another natural science or Mathematics 1 and 33 and Physics 1 or 38.

In meeting the degree requirement in foreign language, German or French is advised.

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

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

Major Subject: Four courses in one social science.

Minor Subjects: Two courses in a second social science, or in another subject if the major subject be philosophy and psychology.

Dept. of Applied Math

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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, 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 courses in one department.

Sophomore Year

- (5) The following work is prescribed for the sophomore year:
 - (a) Any unabsolved freshman requirements.
 - (b) English 2 or 3.
 - (c) A foreign language, either ancient or modern. If 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 finished after fifteen courses have been completed or during the session of

graduation, that term 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 or during the session of graduation, it will count for one-third of a course less than its value.

General Limitations

(10) Not more than six courses may be counted in one subject, or more than six in English and comparative literature together; or more than four courses may be counted in business administration or home economics or journalism or library science or music, or more than five in any combination of business administration, home economics, journalism, and library science with one another or with education, engineering, and law, except in the combination of home economics and education, or of library science and education, where six courses may be counted.

(11) 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 LL.B. degree, shall be entitled at the time he receives the LL.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 course in the foreign language begun in the freshman year; Government 1; History 5.

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

The student must make an average of at least C in his sophomore and junior years, and must satisfy requirements B (3) and (4) and C as laid down 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 whose demands in this respect are highest.

Dep't. of Applied Math

33. A. *Early Exploitative Institutions and Practices.*—War and conquest; origin, forms, and meaning of war; effects upon the vigor of races; relics in present life. Slavery; origin and forms; influence on early culture; effects on physical and moral qualities of master and slave; relics in modern industrial and social life. Serfdom, feudalism, and landed property. Prerequisite: Anthropology 104, 105, and 106, or 101 and 202. MWF 10 (V). (Alternates with Anthropology 35; given in 1925-1926.)

34. A. *Anthropological Seminary.*—Subject for 1925-1926: To be selected. Prerequisite: Two courses in anthropology. Professor PEARCE; Associate Professor ENGERRAND.

[35. A. *Primitive Nature Philosophy.*—Cosmology and cosmogony of primitive peoples. Belief in magic and practices consequent upon such beliefs. Primitive religions. Prerequisite: Anthropology 104, 105, and 106, or 101 and 202. Professor PEARCE. (Alternates with Anthropology 33; omitted in 1925-1926.)]

103s. A. *Demography and National and Race Problems of the United States.*—Distinctive ethnic and cultural elements considered anthropologically; attention to Negro, Mexican, recent immigrant elements, and best adjustment to the older dominant English-American element; American geographical environment; race element in international relations, and race problems in dependencies. Prerequisite: Two full credits in anthropology, or one full credit in anthropology and consent of the instructor. TTS 3 (XIV). Professor PEARCE.

203fw. A. *Formation and Demography of European Nations.*—Origin and formation from viewpoint of ethnology; ethnic, social, and geographical factors contributing to their making; national psychology based on racial psychology; share of these peoples in development of present European civilization. Prerequisite: Two full credits in anthropology, or one full credit in anthropology and consent of the instructor. TTS 3 (XIV). Associate Professor ENGERRAND.

DEPARTMENT OF APPLIED MATHEMATICS

PROFESSORS BENEDICT, CALHOUN; ASSOCIATE PROFESSOR *RICE; ADJUNCT PROFESSORS MICHIE, *COOPER, RUPP; INSTRUCTOR CLEVELAND

The courses in this department are mainly designed for engineering students, but are open to academic students and count toward academic degrees.

For Undergraduates

1. F. *Introductory Course.*—Plane trigonometry, algebra, and analytics. Eight sections.

*Absent on leave for the session of 1924-1925.

U Texas 1925-26
COURSES IN BOTANY 113

110s. F. *For Home Economics Students.*—Required of candidates for the degree of Bachelor of Science in Home Economics under the Smith-Hughes Act. TTS 10 (VI). Professor CALHOUN.

111. F. *Solid Geometry.*—This course is required of all students of engineering who do not present Solid Geometry for entrance. It counts toward academic degrees but not engineering degrees. TTS 8 (II).

1. I. *Analytics and Calculus.*—Six sections.

111us. I. *Popular Astronomy.*—The mathematical side of elementary astronomy will neither be stressed nor wholly neglected. Use will be made of lantern slides and a five-inch equatorial. Prerequisite: One course in mathematics. MWF 9 (III). Professor BENEDICT.

For Undergraduates and Graduates

10. A. *Advanced Applied Mathematics.*—One or more of the following topics: Mechanics, orbits, celestial mechanics, vector analysis, Fourier's Series, differential equations. Schedule and outline adapted to the needs of students electing it. Prerequisite: Applied Mathematics 15 or its equivalent. Adjunct Professor MICHIE.

15. A. *Advanced Calculus for Electrical and Mechanical Engineers.*—Differentiation, integration, series, complex numbers, hyperbolic functions, partial differentiation, multiple and approximate integration, differential equations. Prerequisite: Applied Mathematics 3. Two sections.

115fw. A. *Advanced Calculus for Civil Engineers.*—Differentiation, definite integral, partial differentiation, multiple integration, approximate integration, Taylor's and McLaurin's expansions. Prerequisite: Applied Mathematics 3. Two sections.

DEPARTMENT OF BOTANY

PROFESSOR LEWIS; ASSOCIATE PROFESSOR McALLISTER; ADJUNCT PROFESSOR THARP; INSTRUCTOR WILLIAMS; TUTORS BERKMAN, MARSHALL, MYRICK

Candidates for the degree of Bachelor of Arts who elect botany as a major should take Botany 1, 21, 428, and 406.

Students who expect to become teachers of botany in the secondary schools should complete Botany 1, 21, and 428 as a minimum, with the addition of Botany 406, if possible.

Botany 428, 223, 20, 21, and 29 all have an economic bearing, and are recommended to students wishing to fit themselves for government or experiment station work.

Dep't
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Math