BULLETIN
OF
THE UNIVERSITY OF TEXAS
No. 73
ISSUED SEMI-MONTHLY
Official Series, No. 14
April 1, 1906

CATALOGUE
1905-1906

MAIN UNIVERSITY
AUSTIN
DEPARTMENT OF MEDICINE
GALVESTON

ENTERED AS SECOND-CLASS MAIL MATTER AT THE POSTOFFICE
AT AUSTIN, TEXAS
Pure Mathematics:

The following courses are not open to students who have completed less than two full courses in Mathematics:

10. Introduction to Modern Analytical Geometry (full course).

This course is intended for those who wish to extend their study of analytical geometry further than is possible in Mathematics 4, which is a prerequisite. This course deals with the modern transformation theories of space and their applications to geometry. Lectures and parallel reading.

Mr.

11. Advanced Calculus (full course).

This course, which is open only to those who have taken Mathematics 3, aims at a rigorous presentation of the foundations of the calculus. Among the topics considered will be the convergence of infinite series and their term by term integration, improper integrals, differential geometry.

Professor Porter.

12. Theoretical Mechanics (full course).

The elements of Statics and Dynamics will be considered, and, as far as possible, actual problems presented by nature will be studied. For this course, which is also Course 6 in the School of Physics, Mathematics 3 and 4 and Physics 1 are prerequisite, and Civil Engineering 4 is desirable.

Professor Benedict.
APPLIED MATHEMATICS:

For Undergraduates.

1. Introductory Mathematics for Engineering Students (full course).
   - Full Term: Plane Trigonometry.
   - Winter Term: Algebra.
   - Spring Term: Solid Geometry.

   - This course will deal with the elements of analytical geometry, care being taken to make the course as useful as possible for technical students.

3. Calculus for Engineering Students (full course).
   - In this course as many of the elementary applications of the calculus as time permits will be given along with a sufficiently careful treatment of the underlying theory.

4. Popular Astronomy (one-third course).
   - Fall Term.
   - This will be a culture course for those desiring a general and non-technical knowledge of descriptive astronomy.
   - An acquaintance with the elements of plane trigonometry and the amount of physics given in a good high school is prerequisite. A more extended knowledge of mathematics and physics will of course facilitate the progress of the student. The mathematical side of astronomy will not be especially emphasized. The course will be illustrated by lantern slides, and some use will be made of a five-inch equatorial.

5. Theoretical Mechanics (full course).
   - In this course the elements of mechanics will be considered, including a few easy applications of the equations of Lagrange. As far as possible actual problems presented by nature will be studied.

APPPLIED MATHEMATICS:

A first-year course in calculus and two full courses in physics are prerequisite. This course is also Mathematics 12 or Physics 6.

(Form 1907-1908.)

For Graduates.

10. Advanced Applied Mathematics.
   - Whenever a sufficient number of students apply and time permits, a course, more or less advanced, will be given. It will deal with one or more of the following topics: (a) Advanced Mechanics; (b) Least Squares; (c) Calculation of Orbits; (d) Celestial Mechanics. As far as possible, the course will be arranged to meet the needs of the students electing it. Credit will vary according to the work done.

SCHOOL OF PHILOSOPHY.

SIDNEY EDWARD MEZER, PH. D., Professor of Philosophy.
WILLIAM KELLEY WRIGHT, PH. D., Instructor in Philosophy.

Courses in Philosophy are not open to Freshmen, nor to Sophomores unless their rank is high.

Courses 1, 2, and 3 form a general introduction to philosophical study, and are recommended as a preparation for further work in Philosophy. Courses 30 and 9 lead also to advanced work, but not to work in Psychology. Course 40 is designed for those desiring only a one-third course in Laboratory Psychology.

Students beginning Philosophy must register for 1, 9, or 30. Those desiring only a one-third course in Philosophy must register for 1 or 30. For Courses 10, 20, and 30, the prerequisites are either Courses 1, 2, and 3, or Course 9. For 38, 12, and 13 the prerequisites are 1, 2, and 3. For Course