

done under the general direction of the instructor in charge. To secure credit in this course the results of the study must, save in the case of candidates for the degree of Master of Education, be presented in the form of an acceptable thesis. Prerequisites, S292 and either S293 or S294. By appointment. Staff.

PHILOSOPHY OF EDUCATION

T268. THE PRINCIPLES OF EDUCATION. Two hours credit. An analysis of educational theory and practice in the light of the facts of biology, psychology, and sociology. Lectures, conferences, reports. Prerequisite, the Fundamentals Group. 9:30-10:20. Schwegler.

VOCATIONAL EDUCATION

V156. VOCATIONAL EDUCATION. Two hours credit. The development of vocational education in Europe and America; its organization and administration; the relation of the school system to the various industries of the community; the relation of industrial education to vocational guidance; the consideration of the various theories for the adjustment of educational means to vocational aptitudes. Prerequisite, the Fundamentals Group. 8:30-9:20. OBrien.

ENGINEERING

Professors: HAY, JONES, BROWN

Associate Professor: TAIT

Instructor: HENRY

APPLIED MECHANICS

1. APPLIED MECHANICS. Two hours credit. The principles of static with special attention to engineering application. Prerequisite, Mathematics 2E and 3A, or may be taken concurrently. 10:30-11:20. Jones.

50. APPLIED MECHANICS. Three hours credit. The principles of kinematics and kinetics, with special attention to engineering applications. Prerequisites, course 1 and Mathematics 7 or 7E. 9:30-10:20. Jones.

51. STRENGTH OF MATERIALS. Four hours credit. The theory of stress and deformation in elastic bodies, with special attention to the applications in engineering design. Prerequisites, course 50 and Mathematics 7 or 7E. 7:30-9:20. Tait.

CIVIL ENGINEERING

11. ELEMENTARY SURVEYING. Three hours credit. Two hours of classwork and one hour of field. A brief course for noncivil engineering students. 1:30-5:20. Brown.

MECHANICAL ENGINEERING

4. STEAM MACHINERY. Two hours credit. Fuels, combustion and steam generation. A study of boiler and engine types. Prerequisites, high-school chemistry or enrollment in chemistry. 9:30-10:20. Tait.

45.† GROUND SCHOOL COURSE. Three hours credit. Includes all requirements of the Civil Aeronautics Authority prescribed course, navigation, meteorology, civil air regulations, etc. 7:30. Henry.

60.† ADVANCED GROUND SCHOOL COURSE. Four hours credit. Aerodynamics, aircraft structure, navigation, aircraft power plants, aircraft instruments. Prerequisites, M. E. 45 and junior standing. By appointment. Hay.

† The two ground school courses, M. E. 45 and 60, will be dependent upon continuance of the flight training program by the Civil Aeronautics Authority.