SOILS

PROFESSOR A. R. WHITSON; ASSISTANT PROFESSOR E. E. JONES, INSTRUCTOR F. J. SIEVERS, ASSISTANTS W. W. WIER, AND HARVEY SANDELL

The following courses in soils include lectures supplemented by laboratory exercises which demonstrate the principles taught in the lectures.

A. Soil Fertility. Students receive instruction in the principles of soil management, including the conditions affecting and means of maintaining fertility and good tilth. The chief subjects studied are the following: chemical composition of soils and the forms of material available to the plant as food; the water requirements of plants; the water holding capacity of soils, and cultivation to conserve moisture; tillage to improve tilth; the soil conditions required by the different crops and the influence of rotation on the soil.

B. Laboratory Practice and demonstrational exercises planned to aid the student to apply the principles discussed in Course A.

Land drainage is of paramount importance in Wisconsin and students in the Short Course are given practical work in laying tile.
C. Soil Management and Drainage. Eight lectures on soil management and the same number on the theory and practice of land drainage. Methods of cultivation are formulated and the economic and engineering aspects of land drainage are discussed.

D. Soils Laboratory and Field Work. Thirty hours of practice in field, laboratory, and drafting room work. The field work consists of the use of the level, the plane-table, and the tiling tools in the plant house. In the laboratory studies are made upon the mechanical composition of soil, its water-holding capacity, and the rate of capillary and gravitational movements of water. In the drafting room plans are made for the drainage systems.

FARM ACCOUNTING
INSTRUCTOR J. A. VALENTINE

The course in farm accounting includes lectures and laboratory drills in the everyday transactions of the farm. Simple forms will be used that will give a clear record of the farm business. The handling of cash book, journal and ledger will be thoroughly taught, special attention also being paid to the making of inventories and annual statements.

As accurate knowledge of business results is a growing necessity on every farm, hence, practical information will be the aim of the course. Every student will be taught to handle a simple set of books and records that will show the actual outcome of the farm work.

FARM MANAGEMENT
PROFESSOR D. H. OTIS

This course teaches how to plan the various operations of the farm so as to enable the individual farmer to conduct his entire farm successfully and economically. This includes the size and location of the farm, its adaptability, crops, livestock, the laying out of the farm plan, the equipment necessary for the various types of farming, the capital necessary to get a start, and the farm help. It is expected that trips will be taken to various farms to study their methods and equipment.