

Senior year, first semester, five times a week.

Agriculture 6. Agricultural Education. This course presents methods of teaching elementary agriculture. During the first part of the year, a review will be made of the fundamental principles of elementary agriculture similar to the work outlined in Agriculture 1. This work will be supplemented with actual practice in making school gardens. Attention will be given to the performance of simple laboratory exercises that can be performed in any school room. The management of school gardens, the directions of field trips and observations, the collection of specimens of local weeds, insects, plant diseases and other material for use in the school room will be taken up. Special attention will be given to the study of recent movements in agricultural education, community work, the organization of boys' and girls' clubs and the specific agricultural problems of Arizona. The work in the class room will be supplemented by actual practice in teaching the grades of the training school.

Literature: Parson, School Gardens, Sturgis & Walton; Hemenway, How to Make a School Garden, Doubleday, Page & Co.; Warren, Elements of Agriculture, Macmillan Company; Hilgard & Osterhout, Agriculture for Schools on the Pacific Slope, Macmillan Company; Davis, Rural School Agriculture, Orange Judd Co.; Bulletins and current literature.

Required for all seniors in the professional course, twice a week throughout the year.

Agriculture 7. Agronomy. In this course an intensive study is made of soils in both the field and laboratory. Fertilizers, crop rotations, irrigation, drainage, and dry farming are taken up in detail. In the last part of the course each one of the field crops is studied in turn with special emphasis upon crops grown in Arizona. Plant diseases are given careful consideration.

Literature: Burkett, Soils, Orange Judd Co.; Wilson and Warburton, Field Crops; current literature; bulletins from the State and U. S.

Junior year, second semester, five times a week.