

**COURSE IN AGRICULTURE.****Agriculture.**

Selection of farms for special purposes. Division into fields for different crops. How manures and composts are prepared and kept. Seeding for hay, grain and root crops. Selection of cows and other stock for farm purposes, with general directions for breeding the same. Farm accounts.

**Horticulture.**

Preparation of soils for horticultural and floricultural purposes. Management of plants, including methods of propagation. Horticultural implements. Methods of obtaining new varieties of vegetables, fruits and flowers. Arrangement and care of flower and kitchen gardens, nurseries and orchards. The construction and care of hot-beds and green-houses. Principles of landscape gardening. Practical green-house work by the student supplements the lectures.

**Elementary Botany.**

I. Outlines of structural botany and the rudiments of vegetable anatomy and physiology.

II. Systematic botany; general classification of plants, with particular study of the more important natural orders of phænogams. Practice in analysis and field study of the local flora.

**Elementary Zoology.**

Distinctions between animate and inanimate objects; life distinctions between plants and animals; definition of general terms; development; basis of classification; characters of the various classes with a more detailed account of the porifera; actenozoa cestoda, with a description of the life history of the common tape-worm and of the form causing "staggers" in sheep; nematoda, including thread-worms, trichina, wheat anguillula, cause of gapes in chickens, etc.; lamellibranchiates; gasteropoda; cephalopoda; arthropoda; vertebrates.