

B.—ECONOMIC ENTOMOLOGY or insects and their economic treatment. The life history of insects injurious to fruits and vegetation, and their economic treatment explained. The best methods of destruction of such insects as potato bug, codling moth, canker worm, wire worm, currant worm, etc.

C.—HORTICULTURE.—Treating of drainage, principles of vital force in germination of plants, winter, summer, spring and fall pruning, why we do this? Commercial handling of fruits and fruit trees, landscape gardening, floriculture, top working fruit trees, construction of green houses, heating, care, etc. Practical work in preparing plants for winter keeping, work in green house, proper storing of vegetables, celery, cabbage, etc.

SECOND PERIOD.—(*Three Months*).

*Evolution of Horticulture*.—(See Note E).

*Chemistry of Soils*.—(See Note F).

*Horticulture*.—(See Note G).

(Thesis).

E.—*Evolution of Horticulture*.—Students are given references for reading in Library, outlines submitted, and, synopsis of work done in reading on various methods of propagation and advancement of horticulture reported.

F.—*Chemistry of Soils*.—Lectures in this connection with laboratory work embracing the chemistry of air, soils and fertilizers, and their action on roots of plants, determining what the plant takes from the soil, and the cheapest and best way to replace that loss. Preparation of composts for different soils, discussion of nitrification and its very important work in the orchard, etc.

G.—HORTICULTURE.—In these closing lectures of the course, a general survey is taken of all the work done and principles covered. Forestry is here taken up, and its value pointed out and discussed. Work in caring for and selecting ornamental trees. Experiments made with plants in green house. Thesis work, taking up practical subjects and amount of time devoted to preparation of this thesis counted as laboratory work.

The explanatory notes on course of study are brief summaries. Owing to better facilities for next year's work, the above course will be subject to change and with such modifications as to strengthen the work.