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ANNOUNCEMENT
OF THE COURSE IN
APPLIED ENTOMOLOGY

OFFERED IN
THE OHIO STATE UNIVERSITY
Columbus, 1913

COURSES IN ENTOMOLOGY

OPPORTUNITIES FOR TRAINED ENTOMOLOGISTS

There is a rapidly increasing demand for persons trained in Entomology to work in various government bureaus, especially the Bureau of Entomology; in experiment station work; in offices of entomologists; as nursery and apiary Inspectors; in the State and Federal quarantine service; in city park service, and as investigators in boards of health or medical laboratories in connection with medical problems. This demand comes not only from various parts of the United States but also from foreign countries. This is a demand which seems to warrant more definite organization of entomological instruction designed for the training of professional workers in this branch of science.

The opportunity for such organization at the Ohio State University is especially favorable since there are already offered numerous courses in related subjects which form an essential basis for such training, and a number of special courses in advanced Entomology designed for the training of professional entomologists. This is especially evident in the courses in Agriculture, Horticulture and Forestry which provide for acquaintance with field conditions and methods of cultivation, in connection with such courses in Botany, Bacteriology, Plant Pathology, Geology, Photography and Chemistry, the importance of which in this connection is too evident to need explanation. Along with these are the opportunities for general courses in languages, history, economics, etc., which are desirable in the general training of any professional student.

PURPOSE AND SCOPE OF THE WORK

The proposed organization designed to meet the demand mentioned above includes the assembling of the necessary subjects in connected form so as to provide the best equipment possible for persons desiring to devote their life work to this subject. The scope of these courses includes:

First—A distinct technical course requiring four years of study and designed to prepare, in the best manner possible in the given

time, for the particular technical lines of work in government bureaus; experiment stations; investigation; inspection work; city park service; quarantine service; and as teachers in agricultural colleges, high schools, extension courses and other teaching positions. (See outline).

Second—Courses open to Arts students, which shall have with the technical preparation a considerably broader foundation and shall lead to the degree of Bachelor of Arts.

A student regularly enrolled in the College of Arts, may elect not to exceed 36 credit hours in the department of Entomology. This will enable him to secure about two years of special work in Entomology in addition to the two years in general Zoology and Entomology that may be taken in the first two years of the course. This with a year of graduate work will suffice to give one a considerable equipment in these lines.

FACILITIES FOR INSTRUCTION

The facilities afforded include, in addition to the courses mentioned, the extensive farm connected with the University, the orchards, gardens and woodland, all of which constitute a working field laboratory. A building especially designed for purposes of the department is under construction, and connected with it will be a carefully planned insectary and apiary for instruction and demonstration of methods of investigation. The department equipment includes, aside from the usual apparatus for laboratory work, large collections of insects in all orders, these being especially rich in Diptera and Hemiptera. The department also has an arrangement with the Ohio Experiment Station whereby students may, under certain conditions, receive appointments for summer work under the direction of the Station Entomologist, in connection with his field investigations, thus offering actual field experience in Experiment Station methods.

Persons interested in the above courses are invited to write to W. E. Mann, University Editor, Columbus, Ohio, for the bulletins of the College of Agriculture and the College of Arts, Philosophy and Science, which describe fully the facilities of these colleges.

The following is the outline of the four-year course in Applied Entomology. While it is subject to minor changes, it shows the essential content of the course.

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COURSE IN APPLIED ENTOMOLOGY**Degree: Bachelor of Science in Entomology****FIRST YEAR****FIRST SEMESTER**

Chemistry	(105 or 109)	4
Zoology	(101)	3
Modern Language	(101)	4
French—Spanish—German		
English	(101)	2
Drawing	(135)	2
Meteorology	(101)	2
Cadet Service		1
Gymnasium		1

SECOND SEMESTER

Chemistry	(106 or 110)	4
Zoology	(102)	3
Modern Language	(102)	4
French—Spanish—German		
English	(104)	2
Drawing	(136)	2
Botany	(110)	2
Cadet Service		1
Gymnasium		1

SECOND YEAR

Botany	(101)	4
Zoology	(107)	3
Entomology		
Modern Language	(103)	4
French—Spanish—German		
Horticulture	(101)	4
Chemistry of Insecticides		2
Bibliography	(103)	½
Cadet Service		1

Botany	(102)	4
Zoology	(108)	3
Entomology		
Modern Language	(104)	4
French—Spanish—German		
Horticulture	(102)	4
Geology	(152)	3
Cadet Service		1

THIRD YEAR

Entomology	(113)	4
Entomology		2
Agronomy	(106)	4
Bacteriology	(107)	4
Elective		2-3

Entomology	(114)	4
Botany	(116)	3
Agronomy	(111)	3
Bacteriology	(108)	4
Photography	(111)	2
Elective		2-3

FOURTH YEAR

American History	(101)	3
or Economics (135)		
Entomology—Medical		3
Entomological Literature		2
Entomology—Legislation,		
Inspection, Quarantine		3
Elective		5-6

American History	(102)	3
or Economics (136)		
Apiculture	(112)	
or Forest Entomology		
Entomology—Taxonomy		2
Entomology		3
Insecticides, Insecticide machinery and insect control		
Elective		6-7

NOTE: Unless the candidate for a degree has had a full equivalent, not less than one summer of field work in an Experiment Station, or other practical work in Entomology is required before graduation.