

Course syllabus

ENY 6651C - Insect Toxicology

Section 9439

Online Distance Education Courses – 3 credits

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Instructor:

Dr. Simon S. Yu

Room 3101, Charles Steinmetz Hall

Bldg 970, Natural Area Drive

P.O. Box 110620

Phone: 352-273-3953

FAX: 352-392-0190

Email: yusj@ufl.edu

Office Hours: By appointment

General Description: This course will provide an overview on insecticide classification, formulation, mode of action, resistance, metabolism, environmental fate, and regulatory legislation.

Prerequisites: There are no formal prerequisites. However, a general knowledge of entomology and organic chemistry is needed.

Topics to be Covered:

The need for pesticides and their pattern of use

The formulation of pesticides

Pesticide laws and regulations

The classification of insecticides

Evaluation of toxicity

The uptake of insecticides

The mode of action of insecticides

Principles of pesticide metabolism

Species differences and other phenomena associated with the metabolism of xenobiotics

Insecticide resistance

Pesticides in the environment

Textbook: Yu, S. J. 2008. *The Toxicology and Biochemistry of Insecticides*, CRC Press, Boca Raton, FL. A PowerPoint presentation will be provided to assist with study.

Grading: Course grade will be derived from a midterm exam (30%), a final exam (40%), and a term paper (30%)

Grading scale

A 93-100

A⁻ 90-92.9

B⁺ 87-89.9

B 83-86.9

B⁻ 80-82.9

C⁺ 77-79.9

C 73-76.9

C⁻ 70-72.9

D⁺ 67-69.9

D 63-66.9

D⁻ 60-62.9

E <60