

**274. Biometry (3) (Former Biol 270T section)**

Prerequisite: one statistics class, preferably Math 101. Application of statistical techniques to biological problems with emphasis on sampling, analysis of variance, experimental design, and regression techniques. Emphasis on analysis of real biological data and interpretation of results.

**275. Zoogeography (3)**

Prerequisite: Zool 113 or permission of instructor. Seminar in descriptive and ecological geography of animal groups.

**280. Practicum in Life Science Education (2) (Former Biol 281T section)**

Life science teaching methodology analyzed through use of live, unrehearsed videotape recordings. Local resources for potential field trips explored. Videotaped science laboratory facilities, equipment and materials discussed with representatives of scientific companies.

**281T. Seminar in Biological Science (1; max total 5, max 2 in one field)**

Prerequisite: permission of instructor. Reviews and reports on current literature in the various phases of biology.

**282. Biology Colloquium (1; max total 2)**

Experience in evaluation and critique of research presentations of students, faculty, and other scientists. Student must attend a minimum of ten approved research-oriented colloquia and participate in discussions and/or submit written reports.

**290. Independent Study (1-3; max see reference)**

See *Academic Placement—Independent Study*.

**299. Thesis (2-4; max total 4)**

Prerequisite: see *Master's Degrees—Thesis Requirement*. Preparation, completion, and submission of an acceptable thesis for the master's degree.

**IN-SERVICE COURSES**

(See *Course Numbering System*)

**302T. Topics in Biology (3; max total 6)****BOTANY (Bot)****1. General Botany (5)**

Students with credit in Bot 10 will receive only 2 units of credit. Prerequisite to most upper division botany courses. Fundamentals of structure and function in seed plants; survey of plant kingdom. (3 lecture, 6 lab hours)

**10. Plant Biology (3)**

Not open to students with credit in Bot 1. Structure, function, and development of plants. (2 lecture, 2 lab hours)

**100. Ethnobotany (3)**

The role of plants in past and present civilizations, using representative beneficial and injurious illustrations that have contributed to the development of human societies. (2 lecture, 3 lab hours)

**104. Plant Physiology (4)**

Prerequisite: college botany, Chem 1A or 2A-B; organic chemistry recommended. General metabolism and related processes. (2 lecture, 6 lab hours)

**106. Plant Taxonomy (4)**

Prerequisite: college botany. Principles of plant classification; local flora. (1 lecture, 9 lab or field hours \*)

\* Late afternoon, Saturday and/or overnight field trips may be required.