

SCHOOL OF ENGINEERING, SCIENCE, AND TECHNOLOGY
DEPARTMENT OF BIOLOGY
BIOL. 424: GENERAL ECOLOGY

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Semester: Spring, 2004

Office hours :	M	T	W	R	F
	10-11	9-11	10-11	9-11	10-11
	2-3	2-4			2-3

WEEK DATE	LECTURE TOPICS	LABORATORY TOPICS
1. Jan. 12-16	The nature of Ecology and Adaptation Chap1	Basic Statistic
2. Jan. 19-23	Adaptation & Evolution chap. 2	Problem solving
3. Jan. 26-30	Climate, abiotic Environment Chaps.3,4	Relative Humidity
4. Feb. 2-6	Soils Chap.5	Soils
5. Feb. 9-13	Plant, Animal Adaptations Chap. 6, 8	Tribolium beetle
6. Feb. 16-20	Decomposers and decomposition Chap.7	Poisson Distribution
7. Feb. 23-27	Properties and population growth Chaps. 9,10	Capture/release
8. March 1-5	Intra/ Inter Species Chaps 11, 14	population Sampling
9 March 8-12	Life history/ community structure Chaps. 12,13	Community Structure
10 March 15-19	Predation, parasitism 15,16	Biomes
11. March 22-26	Biogeochemical cycles	Water analysis
12 March 29-April 2	Fresh water ecosystem chap. 27 .	library assignment
13. April 5-9	Marine Ecosystem chap.28	Data analysis.
14. April 12-16	Terrestrial Ecosystems Chaps 25,26	Succession study
15. April 19-23	Ecosystem productivity Chaps 20	Lab. Final
16. April 26-27	Last Day of classes and Reading Day	
17. April 29-May 3	FINAL EXAMINATION PERIOD	

Text book for lecture: Elements of Ecology by Robert L. Smith and Thomas M. Smith

Publisher: Benjamin Cummings

Other Ecology books :

Ecology of a changing planet by Mark B. Bush

Ecology By Molles ;

General Ecology by David Krohne

DEPARTMENT OF LIFE SCIENCES

Biol. 424: General Ecology

Name : Dr. Shaukat M. Siddiqi

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Course Contents: The area of ecological sciences is challenging and dynamic one .This course will deal with the major concepts of ecology. There is no single text book for this course .The recommended text book for this course talks about case histories to clarify the concepts and the students are encouraged to read this book carefully and other books in this field to gain conceptual knowledge in ecology. The material presented in the class will be taken from several other ecology books .The students are advised and encouraged to consult material listed in the bibliography at the end of each chapter.

Grading system:

A=90-100; B=80-89; C=70-79; D=60-69; F= less than 60

Distribution of grades:

25% final examination, 25% midterm ,50% hours exams.

No make up in any circumstances.

Lecture and lab. exams will be announced in the class.