

HERPETOLOGY

BIO 4434

Bio. 7434

SPRING 2007

Jan.	16	Introduction
	18	History - Basic types
	23	History - Amphibians
	25	Amphibians
	30	Amphibian origins
Feb.	1	Amphibians - Anatomy
	6	QUIZ # 1
	8	Reptiles - Turtles
	13	Reptiles - Crocodylians
	15	More Lepidosaurus
	20	Snakes
	22	Snakes
	27	Envenomation
Mar.	1	Medical herpetology
	6	Herps as environmental sentinels
	8	QUIZ # 2
	12	SPRING BREAK
	20	Reproduction - Amphibians
	22	Reproduction - Reptiles
	27	Egg shape - Sex determination
	29	Thermal biology
Apr.	5	Thermal - Water relationships
	10	Populations
	12	Systematics
	17	Isolating mechanisms
	19	Nerodia harteri - a case study
	24	Herps of concern
	26	Quiz # 3
	30	Open

Course Number:4434/7434 Course Name: Herpetology

Semesters Offered: Spring

Prerequisites: BiO. 2411, 2450

Credit: 4

Clock hrs
lecture per week: 3

Clock hours
laboratory per week: 4

Course description: To study the basic biology of amphibians and reptiles including aspects of diversity, predation, life cycles, space utilization, physiology, population biology and classification with emphasis on Texas organisms.

Course Objectives: To elucidate theories that account for the origin and evolution of amphibians and reptiles, to apply molecular techniques to classification schemes, to understand the physiological adaptations of the organisms, to analyze life history paradigms and to make students aware of the role of these organisms in an ecosystem.

Lecture outline:
(see attached)

HERPETOLOGY (Biol. 4434-7434) - SPRING 2007
LECTURE TU - TH
Lab FRI 2:00 - 5:00

Instructor: F. L. Rose

Room: Supple 153

TEXT:

Grading: There will be three formal quizzes. The average of all assigned work will form the basis for your numerical score. The average of the three lecture quizzes will equal 2/3 of your numerical score and your laboratory average will equal 1/3. Excessive absences in lecture and the laboratory, as determined by the instructor(s), will be use to develop the final grade. Disruption of lecture (e.g., talking) will result in a "0" grade for that day. You can be excused for an absence but you cannot be excused for the assigned work due at the time of your absence or on your return to class. All assigned work is due at the beginning of class. Numerical grades might be modified according to absences, late work, participation in the course, and assigned graded work. **THERE ARE NO MAKE UP EXAMS AND NO RECORDERS ARE ALLOWED UNLESS JUSTIFIED FOR MEDICAL REASONS.**

Attendance: Failure to attend class is considered serious and a person will be asked to drop the course if they accumulate three unexcused absences. Individuals with three or more unexcused absences will receive no extra credit on any assigned work. Those accumulating four absences will be assigned one letter grade below that obtained for all class work and individuals with five absences will receive an automatic "F" grade for the course. Calling or sending an e-mail saying that you will not be in class on a particular day is not considered a valid excuse. Please read the catalogue regarding the assigning of grades of "W" and "I." Drop grades are based on exam scores and the factors listed above at the time a person drops the course. **THIS IS IMPORTANT, because if you drop the course failing, you will be charged out-of-state tuition to retake the course**

Odd Enda: All class reports are due at the beginning of lecture on the due date. All reports are to be typed and printed on plain white paper and will be evaluated on its professional appearance and accuracy. Scores assigned on quizzes can be corrected only within two class days of when the quiz was returned.