

HERPETOLOGY

IB 175LF

Instructor: TBD
Lab TAs: TBD

Office hours: TBD

Texts:

Stebbins, Robert C. 2003. Peterson Field Guides - Western Reptiles and Amphibians. Third Edition. Houghton Mifflin Company (required).

Pough, F. H. et al. 2017. Herpetology. 4th Edition. Prentice Hall (optional).

Lecture schedule: Monday and Wednesday, 11am-12pm (79 Dwinelle)

Lab schedule: Wednesday and Thursday, 1-4pm, 3097 VLSB. The lab (175L) is required; course grade will be joint (the same) for the lecture and lab.

Lecture content: Although I have assigned an optional textbook for the lecture component of this course (Herpetology; Pough et al., 2017), I have done so primarily to provide you with a valuable reference tool. Lecture exam questions will be drawn entirely from the lecture notes (and paper readings) and will not necessarily be covered in the textbook. Therefore, it is imperative that you attend class and take comprehensive lecture notes.

Laboratory: You are encouraged to perform as much of your lab work as possible during the scheduled class period. This is the time that Sara, Alexander, and I will be available to assist you. Be sure to bring your field guide to lab.

Examinations: Three lecture examinations will be given during the course of the semester. The first two exams will be worth 100 points and the final exam will be worth 200. The first examination will include those topics covered since the beginning of the semester. The second exam will cover all material covered since the first exam. The final exam will be comprehensive. Lecture exams will be composed of detailed essay questions. Lecture exams require more time than is available in the 50 minute lecture period, so we will schedule an alternative time in the evening for these exams (hopefully in the evening of the same scheduled class meeting – perhaps 5-7 PM).

Two lab exams will be given over the course of the semester. Each lab exam will be in practical format and worth 150 points. There will be six 10 pt. quizzes in lab as well, the lowest of which can be dropped. The content of the quizzes will be at the GSIs' discretion.

Research Paper: All students will be expected to write up either a comprehensively researched species account in a format appropriate for Amphibiaweb (amphibians) or the Encyclopedia of Life (reptiles), or, if you prefer, a term paper on a conceptual topic of your choice. We will provide you with appropriate guidelines. The paper will be worth 50 points.

Field Trips: One overnight and two (long) weekend field trips are scheduled and attendance on two of three trips is mandatory. The first trip is an overnight trip to Big Basin Redwoods State Park in the Santa Cruz Mountains. The second trip will be a 3-day trip to the Mendocino coast of northern California. The third trip is a four-day excursion to the Mohave Desert (including Death Valley). These are camping trips and we will provide you with appropriate information regarding the equipment, food, etc. that you should bring along. The trips are worth 25 points each. Students who attend all 3 trips will receive 10 additional bonus points.

Grades: Your final grade will be based upon your joint point total for the lecture and lab components of the course. The standard 10% cutoff between letter grades will be applied (i.e. 90%-100% = A, 80%-89%=B, 70%-79%=C, 60%-69%=D, <60%=F). There are 850 total points possible.

Spring 2018**HERPETOLOGY****IB 175**

W	Jan 17	Introduction, Herpetology Overview
M	Jan 22	Salamanders
W	Jan 24	Salamanders
M	Jan 29	Salamanders
W	Jan 31	Salamanders
M	Feb 5	Caecilians
W	Feb 7	Frogs
M	Feb 12	Frogs
W	Feb 14	Frogs
M	Feb 19	Holiday – no class
W	Feb 21	Frogs
M	Feb 26	Frogs
W	Feb 28	Origin/early evolution of reptiles
M	Mar 5	Turtles
T	Mar 6	(Evening Lect. Exam 1)
W	Mar 7	Turtles
M	Mar 12	Crocodylians
W	Mar 14	Lepidosauria+Rhyncocephalia
M	Mar 19	Lizards
W	Mar 21	Lizards
M	Mar 26	Spring break
W	Mar 28	Spring break
M	Apr 2	Lizards
W	Apr 4	Lizards
M	Apr 9	Lizards
W	Apr 11	Lizards
M	Apr 16	Lizards
W	Apr 18	Snakes (Evening Lecture Exam 2)
M	Apr 23	Snakes
W	Apr 25	Snakes

Santa Cruz Mountains – February 10-11

Mendocino Field Trip – March 9-11 (Friday-Sunday)

Death Valley Field Trip – April 19-April 22 (Thursday-Sunday)

Final Exam: – Tuesday May 8, 7-10 PM

Lab Schedule

DATE	LAB TOPIC	NOTES
Jan 17/18	Salamanders I	
Jan 24/25	Salamanders II	Quiz I: CA Sals
Jan 31/Feb 1	Caecilians	Quiz II: Salamanders
Feb 7/8	Frogs I	Quiz III: Caecilians
<i>Feb 10-11</i>	<i>FIELD TRIP: Santa Cruz Mountains</i>	<i>Field trip</i>
Feb 14/15	Frogs II	
Feb 21/21	Frogs III	
Feb 28/Mar 1	Frogs IV	Quiz IV: Frogs
Mar 7/8	PRACTICAL 1: AMPHIBIANS	
<i>Mar 9-11</i>	<i>FIELD TRIP: Mendocino County</i>	<i>Field trip</i>
Mar 14/15	Turtles and Crocs	
Mar 21/22	Lizards I	Quiz V: Turtles/Crocs
Mar 28/29	Spring Break	No labs
Apr 4/5	Lizards II	
Apr 11/12	Lizards III	Quiz VI: Lizards
Apr 18/19	Snakes I	
Apr 19-22	FIELD TRIP: Death Valley	Field trip
Apr 25/26	Snakes II	Quiz VII: Snakes
May 2/3	PRACTICAL 2: REPTILES	