

# ANIMAL BEHAVIOR (GRADUATE GROUP)

College of Biological Sciences

Gail L. Patricelli, Ph.D., Chairperson of the Group

## Group Office

227D Life Sciences; 530-752-2981; Fax 530-752-8822; Animal Behavior Graduate Group (<http://anb.ucdavis.edu/>)

## Faculty

The Group includes faculty from 12 departments in five schools and colleges.

- Animal Behavior, Master of Science (<https://catalog.ucdavis.edu/departments-programs-degrees/animal-behavior/animal-behavior-ms/>)
- Animal Behavior, Doctor of Philosophy (<https://catalog.ucdavis.edu/departments-programs-degrees/animal-behavior/animal-behavior-phd/>)

## Animal Behavior (ANB)

### ANB 201 – Scientific Approaches to Animal Behavior Research (3 units)

*Course Description:* Philosophical issues, goals, strategies and tools in field and laboratory research.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Lecture 3 hour(s).

*Repeat Credit:* May be repeated.

*Grade Mode:* Letter.

### ANB 210 – History of Animal Behavior (1 unit)

*Course Description:* Classic, seminal papers in animal behavior. Discussion of readings and broader historical context in which papers were written.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Discussion 1 hour(s).

*Grade Mode:* Satisfactory/Unsatisfactory only.

### ANB 218A – Fundamentals of Animal Behavior (5 units)

*Course Description:* Survey of the phenomena and theory of animal behavior from the perspectives of multiple biological disciplines, including evolution, ecology, psychology, genetics, neurobiology, endocrinology, and animal science.

*Prerequisite(s):* Consent of instructor; upper division undergraduate introduction to the biology of behavior, such as PSC 101, PSC 122, PSC 123, NPB 102, NPB 150, NPB 152, WFC 141, ENT 104, or ANS 105.

*Learning Activities:* Lecture/Discussion 4 hour(s), Discussion 1 hour(s).

*Cross Listing:* PSC 218A.

*Grade Mode:* Letter.

### ANB 218B – Fundamentals of Animal Behavior (5 units)

*Course Description:* Survey of the phenomena and theory of animal behavior from the perspectives of multiple biological disciplines, including evolution, ecology, psychology, genetics, neurobiology, endocrinology, and animal science.

*Prerequisite(s):* ANB 218A or PSC 218A; or ECL 218A; consent of instructor.

*Learning Activities:* Lecture/Discussion 4 hour(s), Discussion 1 hour(s).

*Cross Listing:* PSC 218B.

*Grade Mode:* Letter.

### ANB 221 – Animal Behavior, Ecology & Evolution (3 units)

*Course Description:* Interface between animal behavior, ecology and evolution. New developments in behavioral ecology development and testing of hypotheses in this discipline.

*Prerequisite(s):* NPB 102; EVE 100; EVE 101; and consent of instructor, or the equivalent; graduate standing.

*Learning Activities:* Lecture 3 hour(s).

*Cross Listing:* PBG 221.

*Grade Mode:* Letter.

### ANB 230A – Interdisciplinary Approaches to Animal Behavior (3 units)

*Course Description:* Analysis of literature in behavior and an allied discipline or disciplines that offer the potential, in combination, to advance the understanding of a topic in animal behavior conceptually and empirically. Topics vary from year to year.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Seminar 3 hour(s), Term Paper.

*Grade Mode:* Letter.

### ANB 230B – Interdisciplinary Approaches to Animal Behavior (5 units)

*Course Description:* Development of an empirical or theoretical interdisciplinary approach to research on a current topic in animal behavior.

*Prerequisite(s):* ANB 230A; taken the previous quarter.

*Learning Activities:* Workshop 4 hour(s), Discussion 3 hour(s), Term Paper 1 hour(s).

*Grade Mode:* Letter.

### ANB 270 – Research Conference in Behavioral Ecology (1 unit)

*Course Description:* Critical presentation and evaluation of current literature and ongoing research in behavioral ecology.

*Prerequisite(s):* Consent of instructor; graduate standing.

*Learning Activities:* Conference 1 hour(s).

*Enrollment Restriction(s):* Limited enrollment.

*Repeat Credit:* May be repeated.

*Grade Mode:* Satisfactory/Unsatisfactory only.

### **ANB 287 – Advanced Animal Behavior (2 units)**

*Course Description:* Reading, reports and discussion on current topics in animal behavior, with a focus on topics that lie at the interface between animal behavior, ecology and evolution.

*Prerequisite(s):* NPB 102; (EVE 100 or EVE 101); and consent of instructor, or the equivalents; graduate standing.

*Learning Activities:* Seminar 2 hour(s).

*Repeat Credit:* May be repeated 2 time(s).

*Cross Listing:* PBG 287.

*Grade Mode:* Letter.

### **ANB 290 – Seminar in Animal Behavior (1-3 units)**

*Course Description:* Selected topics in animal behavior.

*Prerequisite(s):* Consent of instructor.

*Learning Activities:* Seminar 1-3 hour(s).

*Grade Mode:* Satisfactory/Unsatisfactory only.

### **ANB 294 – Seminar in Behavioral Ecology of Predators & Prey (3 units)**

*Course Description:* Presentation and analysis of research papers on social and foraging behavior of predatory animals, antipredator strategies of prey species, co-evolution of predators and prey, and ecology of predator prey interactions.

*Prerequisite(s):* Graduate standing.

*Learning Activities:* Seminar 2 hour(s).

*Repeat Credit:* May be repeated 2 time(s).

*Cross Listing:* WFC 294.

*Grade Mode:* Letter.

### **ANB 298 – Group Study (1-5 units)**

*Course Description:* Lectures and/or discussion of current issues, problems, or techniques in animal behavior.

*Prerequisite(s):* Consent of instructor; graduate standing.

*Learning Activities:* Discussion 1-5 hour(s), Laboratory 5-15 hour(s).

*Grade Mode:* Letter.

### **ANB 299 – Research (1-12 units)**

*Course Description:* Advanced research in one of the specialty areas in animal behavior.

*Learning Activities:* Laboratory 3-36 hour(s).

*Grade Mode:* Satisfactory/Unsatisfactory only.

### **ANB 396 – Teaching Assistant Training Practicum (1-4 units)**

*Course Description:* Teaching assistant training practicum.

*Learning Activities:* Variable.

*Repeat Credit:* May be repeated.

*Grade Mode:* Pass/No Pass only.