

# UCLA

## Student Learning Outcomes for the B.S. in Physiological Science

Students completing the Physiological Science major must:

- demonstrate broad-based knowledge of the fundamentals of vertebrate anatomy and physiology, knowledge acquired through coursework.
- demonstrate an ability to address scientific questions and solve problems quantitatively, learn to form hypotheses, design and perform experiments, analyze data, and interpret results.
- read, understand, and apply critical thinking to primary scientific literature; understand how to assess key questions and hypotheses; interpret results and conclusions; and discriminate quality through critique.
- gain an appreciation for research by participating in one or more laboratory experiences: the physiology laboratory class and individual research in an approved faculty laboratory.
- learn to communicate scientific knowledge clearly and fluently; acquire effective written and verbal skills.