BIOL 474

Term: Fall 2016
Course No. & Section: BIOL 474-01
Course Title: PRINCIPLES OF EVOLUTION
Professor: DR. MARTINA RAMIREZ

Course Description:

Objectives:
- To provide an overview of pattern and process in evolution

Content:
The development of theories of evolutionary change; the mechanisms of evolutionary change at the population (micro) level; and evolution at the macro level, focusing on speciation, phylogenetic analysis, historical biogeography and extinctions

Prerequisites/Recommended Background:
- BIOL 101 & 111
- BIOL 102 & 112
- BIOL 201
- BIOL 202

Required Texts/References:
  Benjamin/Cummings, Menlo Park, CA
- Original papers from the scientific literature

Course Work/Expectations:
- Tentatively: Three exams
  - Journal of critical reaction to scientific papers
  - Two evolution-in-the-media assignments
  - Evolution vs. Intelligent Design paper
  - Discussions of scientific papers

Comments: