

Ge 197. Special Topics in Geobiology: Oxygen. *6 units (2-0-4); first term.* Abundant molecular oxygen is a defining feature of the biology and geochemistry at the surface of our planet, but the geological record shows us that this was not always the case. This course will combine lectures with advanced-level discussions of selected literature focused on the modern oxygen cycle, current knowledge of the history of atmospheric oxygen, and new ideas and constraints on the evolution of aerobic respiration. Instructor: Fischer.