

ORIGINAL CONCEPT: *Over a period of 14-15 weeks, students will work together for at least 6 hours per week in addressing an environmental issue that has significance at the regional, state, or national levels as a class project in applied environmental review. Under the guidance of the instructor, they will work as a structured team to conduct a comprehensive environmental review of a particular topic as if it is a pressing public policy issue in need of immediate attention; imagine a scenario where Congress asks the US Fish and Wildlife Service or the Environmental Protection Agency to provide a report in say 3 to 6 months on a matter of national interest. They will approach the topic with open minds and lack of bias. They will conduct comprehensive literature searches to develop a clear and comprehensive understanding of the issue in question. To the extent possible, they will conduct syntheses and analyses of existing data to gain new insights. Such class projects, if executed properly, can be published in the peer-reviewed literature and students will be strongly encouraged to pursue publication when appropriate.*

COURSE HISTORY: The class is offered every other year. In 2008, the first year BIOL 5010 was offered, the class worked on a Comprehensive Conservation Plan (a CCP) for the San Luis National Wildlife Refuge Complex (San Luis NWRC). The class worked again with the San Luis NWRC in 2010, 2012, 2014, and 2016 on various management, inventory, and/or monitoring plans. A few students from those classes have gone on to appointments with the US Fish and Wildlife Service, partly as a result of their work ethic and writing performance in the class. The hands-on experience of helping to write real documents for the US Fish and Wildlife Service really mattered.

THIS YEAR: The class project this year will again be conducted in partnership with the San Luis NWRC, whose main office is on the San Luis NWR just north of Los Banos. The primary writing challenge for the class will be mammalian species accounts for the NWRC. There will be much more information on what the Fish and Wildlife Service (USFWS or Service) has in mind when we meet with them next week.

SCHEDULE: Most Wednesday and Friday afternoons (1-4 and 12-3, respectively), we will be meeting in N230, the Biology Conference Room; to a certain extent, it will be our 'home room' or 'team office' for the semester. Please let me know whether or not you already have a key to N230. We may also use other rooms as needed, including N-201 on Friday afternoons. The first few weeks of the class will likely involve closer coordination and planning with USFWS personnel, plus background review on technical writing, project orientation, information gathering and bibliographic research.

GRADING: There will be no written exams. Rather, final grades will be determined through a formal assessment process at the conclusion of the class project, a process that involves grading of work products and overall performance. This will involve students, USFWS personnel, and your instructor. Ratings will be based on completion of team assignments, productivity, communication skills, meeting deadlines, organizational abilities, leadership, and other factors.