



INTRODUCTION:

The ESYS Program places a significant value on interdisciplinary problem solving and all majors are expected to complete an integrative Senior Project in their final year. The Senior Project is designed by the student to focus on an interdisciplinary environmental problem or research topic and is developed over two quarters (Fall and Winter) with a seminar during the third quarter (Spring). Appropriate topics for the Senior Project could conceivably include biodiversity conservation, coastal zone management, environmental health, climate change, environmental justice, and/or urban air quality. An important component of the Senior Project is an off-campus or laboratory internship. With prior approval, students may opt to fulfill their internship requirement in the laboratory of participating faculty. The goal of the internship is to gather original data and/or develop analyses and experience that will be reported in the deliverables for the Senior Project, which include a 25-page research paper and a poster for presentation. The research paper and presentation are typically developed during Spring quarter.

ADDITIONAL DETAILS:

Course Description: ESYS 187A and ESYS 187B Senior Project (8 units) The internship is undertaken during the two course sequence and is expected to be a 200-hour commitment (20 weeks@10 hours per week). ESYS Program Advisors will provide guidance and a list of potential internship hosts; however, students are ultimately responsible for finding an appropriate internship which will form the basis of their Senior Project.

ESYS majors will typically enroll in ESYS 187A during Fall and ESYS 187B during Winter quarters. ESYS 187A & B will account for four units of credit toward the degree each quarter (for 8 units total) and will be taken on a pass/no pass basis.

Course Description: ESYS 187C Senior Seminar (4 units) The Senior Seminar provides a venue for the presentation and group evaluation of the ESYS Senior Projects. ESYS 187C is offered in Spring Quarter to seniors who have successfully completed ESYS 187A&B. The class will account for 4 units of credit towards the degree and will be taken for a letter grade.

Faculty Mentorship: Students will identify a faculty member to oversee their ESYS Senior Project. Students and faculty mentors will meet on an ongoing basis to design and develop the focus and deliverables for the Senior Project. Oversight and

coordination of Senior Project Faculty Mentorships will be provided by the ESYS Program advisors.

Senior Project Deliverables: The deliverables for the Senior Project will include a 25-page paper and a poster for presentation. **Students should have completed both of these deliverables by the end of their enrollment in the ESYS 187 sequence.** Short descriptions of past projects can be found at <https://scripps.ucsd.edu/esys/senior-internship-project/previous-senior-projects>

Administrative forms and evaluations: There are several administrative forms associated with the internship portion of ESYS 187A&B. These include an *Internship Learning Agreement* (between the ESYS Associate Director, the Student, the Internship Supervisor, and the Faculty Mentor), an *Internship Progress Form* (completed by the Student and the Internship Supervisor and approved by the Faculty Mentor), and a *Final Internship Evaluation Form* (completed by the Student and the Internship Supervisor and signed by the Faculty Mentor). ESYS Program Advisors will provide a schedule for the completion of these forms and evaluations. It is the responsibility of the student to complete the necessary paperwork in a timely fashion.

If you have any questions, please contact the ESYS Program Advisors:

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