Environmental Science and Management
Student Learning Outcomes and Assessment

1. Outcome: Students will be able to evaluate the validity and limitations of scientific theories and claims about the environment.
   Assessment: This outcome will be measured through exam questions, problem sets, and discussion topics in ESP 1 and ESM 120, and course assignments in ESM 195.

2. Outcome: Students will have a demonstrated understanding of the interactions among physical, biological, chemical, and human components of the environment.
   Assessment: This outcome will be measured through exam questions, problem sets, and discussion topics in ESP 1, ESM 120, and ESP 100.

3. Outcome: Students will be able to formulate tests of environmental questions, acquire data, and apply scientific methods to answer these questions.
   Assessment: This outcome will be measured through exam questions, problem sets, and discussion topics in ESP 1 and ESM 120.

4. Outcome: Student will be able to characterize the various social drivers of environmental problems and the relative attributes of policy instrument solutions.
   Assessment: This outcome will be measured through exam questions, problem sets, and discussion topics in ESP 1 and ESP 162.

5. Outcome: Students will be able to compose and deliver informed positions on current environmental problems to the public.
   Assessment: This outcome will be measured through writing assignments and oral presentations in ESP 1, ESM 120 and ESM 195.

Successful learning outcomes will be indicated by a grade of C or better in each of the courses.