

EnvS Master of Science PLOs mapped to ULGs (March 2014)

Here we map the Department's Master of Science Program Learning Objectives (PLOs) to the University Learning Goals (ULGs).
(see the ULGs at www.sjsu.edu/senate/docs/S13-2.pdf)

ULG #1 - Specialized Knowledge

Depth of knowledge required for a degree, as identified by its program learning outcomes

PLO 1: Literature Review Skills: Able to thoroughly review literature and research in a specific area of environmental studies and able to formulate original research questions based on critical analysis of aforementioned review.

PLO 4: Execute Research: Able to carry out original research plan and write a high quality scholarly thesis or professional report.

ULG #2 - Broad Integrative Knowledge

2.a. Mastery of each step of an investigative, creative, or practical project

PLO 4: Execute Research: Able to carry out original research plan and write a high quality scholarly thesis or professional report.

2.b. Understanding of the implications of results or findings from a particular work in societal context

PLO 4: Execute Research: Able to carry out original research plan and write a high quality scholarly thesis or professional report.

ULG #3 - Intellectual Skills

3.a. Fluency in the use of specific theories, tools, technology, and graphical representation

PLO 2: Methods Development: Able to develop appropriate and feasible methods for original research project.

PLO 4: Execute Research: Able to carry out original research plan and write a high quality scholarly thesis or professional report.

3.b. Skills and abilities necessary for life-long learning: critical and creative thinking effective communication, conscientious information gathering and processing, mastery of quantitative methodologies, and the ability to engage effectively in collaborative activities

PLO 4: Execute Research: Able to carry out original research plan and write a high quality scholarly thesis or professional report.

PLO 5: Present Original Results: Able to present original research results in a public oral defense

ULG #4 - Applied Knowledge

4.a. Ability to integrate theory, practice, and problem-solving to address practical issues

PLO 4: Execute Research: Able to carry out original research plan and write a high quality scholarly thesis or professional report.

4.b. Ability to apply their knowledge and skills to new settings or in addressing complex problems

PLO 4: Execute Research: Able to carry out original research plan and write a high quality scholarly thesis or professional report.

4.c. The ability to work productively and in groups

PLO: None

ULG #5 - Social and Global Responsibilities

5.a. Ability to act intentionally and ethically to address a global or local problem in an informed manner with a multicultural and historical perspective and a clear understanding of societal and civic responsibilities

PLO 3: Knowledge of Environmental Thought: Possess thorough knowledge of the history of environmental thought

5.b. Diverse and global perspectives through engagement with the multidimensional SJSU community

PLO: None