

EnvS Undergraduate Degree PLOs mapped to ULGs (March 2014)

Here we map the Department's BA/BS 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 5 - BS Competency: Students demonstrate in-depth knowledge and skills in a science or technical field

PLO 6 - BA Competency: Students demonstrate in-depth knowledge and skills in a non-science field

ULG #2 - Broad Integrative Knowledge

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

PLO 1 - Qualitative Environmental Literacy: Students are able to write a logical analytical paper using good writing style and construction supported by appropriate research.

PLO 3 - Content Environmental Literacy: Students will develop proficiency in the interdisciplinary sustainability principles that are the foundation of environmental studies; they will know the key environmental challenges facing the planet, know relevant interdisciplinary information about these challenges, and be able to develop/identify feasible solutions

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

PLO 1 - Qualitative Environmental Literacy: Students are able to write a logical analytical paper using good writing style and construction supported by appropriate research.

ULG #3 - Intellectual Skills

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

PLO 2 - Quantitative Environmental Literacy: Students are able to determine, apply and interpret appropriate basic statistical or other quantitative analyses to environmental data

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 1 - Qualitative Environmental Literacy: Students are able to write a logical analytical paper using good writing style and construction supported by appropriate research.

PLO 2 - Quantitative Environmental Literacy: Students are able to determine, apply and interpret appropriate basic statistical or other quantitative analyses to environmental data

ULG #4 - Applied Knowledge

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

PLO 1 - Qualitative Environmental Literacy: Students are able to write a logical analytical paper using good writing style and construction supported by appropriate research.

PLO 3 - Content Environmental Literacy: Students will develop proficiency in the interdisciplinary sustainability principles that are the foundation of environmental studies; they will know the key environmental challenges facing the planet, know relevant interdisciplinary information about these challenges, and be able to develop/identify feasible solutions

PLO 5 - BS Competency: Students demonstrate in-depth knowledge and skills in a science or technical field

PLO 6 - BA Competency: Students demonstrate in-depth knowledge and skills in a non-science field

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

PLO 5 - BS Competency: Students demonstrate in-depth knowledge and skills in a science or technical field

PLO 6 - BA Competency: Students demonstrate in-depth knowledge and skills in a non-science field

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

PLO 4 - Professional Skills: 4A) Students are able to productively conduct group/team work to deliver professional quality presentations and reports

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 4 - Professional Skills: 4C) Students engage in community service and democratic participation

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

PLO 4 - Professional Skills: 4C) Students engage in community service and democratic participation