



**PROGRAM REVIEW – CURRICULUM REVIEW**  
2015-16

**Environmental Studies**

<b>Courses with CID Designation</b>			
<b>Course Name</b>	<b>CID #</b>	<b>CID Name</b>	<b>COR Effective Term</b>
N/A			

<b>Dual Listed Courses</b>	
<b>Course Name</b>	<b>Dual Listed</b>
N/A	

<b>List of Active Courses offered or not offered in the last 3 years</b>									
<b>Course Name</b>	<b>2012-2013</b>			<b>2013-2014</b>			<b>2014-2015</b>		
	<b>Summer</b>	<b>Fall</b>	<b>Spring</b>	<b>Summer</b>	<b>Fall</b>	<b>Spring</b>	<b>Summer</b>	<b>Fall</b>	<b>Spring</b>
ENVS G100	X	X	X		X	X		X	X
ENVS G133		X			X			X	
ENVS G140									
ENVS G141		X							
ENVS G142		X							
ENVS G143		X	X						
ENVS G144		X	X						
ENVS G160			X			X			X
ENVS G162		X			X				
ENVS G170		X			X			X	
ENVS G180									
ENVS G190			X			X			X



## PROGRAM REVIEW – SLO ASSESSMENTS 2015-16

### Environmental Studies

*\*Assessment status reflects assessments between Fall 2013 through Summer 2015*

**Assessment status for courses with active cSLOs**

Course Name	# of cSLOs	# of cSLOs Assessed	Status
ENVS G100	9	2	↔
ENVS G133	4	0	↓
ENVS G140	6	0	↓
ENVS G141	5	0	↓
ENVS G142	5	0	↓
ENVS G143	4	0	↓
ENVS G144	3	0	↓
ENVS G160	6	1	↔
ENVS G162	6	0	↓
ENVS G170	6	0	↓
ENVS G180	7	0	↓
ENVS G190	9	0	↓

- ↑ Fully assessed
- ↔ Partially assessed
- ↓ No assessment

**Courses with cSLOs that still need to be assessed**

Course Name	cSLO #	cSLO
ENVS G100	cSLO 1	Recognize the relationships between economic development and management of natural resources.
ENVS G100	cSLO 2	Identify environmental regulatory sources and references.
ENVS G100	cSLO 4	Analyze generic industrial processes and waste streams.
ENVS G100	cSLO 5	Identify types of hazardous materials.
ENVS G100	cSLO 7	Distinguish between industrial toxicology, industrial hygiene, occupational health hazards and risk management.
ENVS G100	cSLO 8	Appraise pollution prevention and waste management techniques.
ENVS G100	cSLO 9	Differentiate environmental career opportunities and paths.
ENVS G133	cSLO 1	Identify the type, size, condition, and rate of energy consumption for each major energy consuming device in buildings.
ENVS G133	cSLO 2	Recommend appropriate energy conservation, operation, and maintenance procedures.
ENVS G133	cSLO 3	Estimate labor and materials costs for energy retrofits.
ENVS G133	cSLO 4	Project savings expected from energy retrofits.
ENVS G140	cSLO 1	Define Environmental Education and Nature Interpretation, and describe the history of Environmental Education and Interpretation over the past 30 years.
ENVS G140	cSLO 2	Explain the differences between the goals and purposes of Environmental Education and Environmental Advocacy.
ENVS G140	cSLO 3	Utilize the Internet and library databases and resources to conduct an investigation of Environmental Education and Interpretation careers, curricula, and resources.
ENVS G140	cSLO 4	Identify content that can be integrated into Environmental Education and Interpretation Programs.
ENVS G140	cSLO 5	Compare and contrast tools that have been used to assess/evaluate Environmental Education and Interpretation Programs.
ENVS G140	cSLO 6	Identify and apply teaching resources available from agencies, organizations, and industry
ENVS G141	cSLO 1	Describe and explain zero waste, the foundation to resource management
ENVS G141	cSLO 2	Highlight how zero waste can be a key part of community and business sustainability plans and help contribute to reducing greenhouse gases which affect global climate change.
ENVS G141	cSLO 3	Identify occupations in the industry and skill sets needed to gain employment.
ENVS G141	cSLO 4	Analyze markets and service opportunities for reusables, recyclables and compostables for a variety of discarded resources.
ENVS G141	cSLO 5	Examine historical trends in waste and resource management and identify areas for improvement.

## Courses with cSLOs that still need to be assessed

Course Name	cSLO #	cSLO
ENVS G142	cSLO 1	Identify the essentials of effective public outreach strategies, including social media tools, used to sell the concepts of reduce, reuse and recycle behaviors to the public.
ENVS G142	cSLO 2	Explore a variety of techniques for reaching and engaging target audiences, shaping behavior, and measuring the effectiveness of students' effort.
ENVS G142	cSLO 3	Identify the job skills necessary for successful recycling and resource management careers, campaigns, and programs.
ENVS G142	cSLO 4	Explain the history of consumerism and the current cultural shift toward zero waste.
ENVS G142	cSLO 5	Recognize the major stakeholders influencing legislation concerning recycling and resource management.
ENVS G143	cSLO 1	Review sample zero waste community plans and discuss different approaches communities have taken to developing zero waste plans.
ENVS G143	cSLO 2	Identify what type of planning and facilities are needed for zero waste communities and how to finance the systems.
ENVS G143	cSLO 3	Identify best practices for RFPs (Request for Proposals) and contracts for developing local markets and uses.
ENVS G143	cSLO 4	Identify Extended Producer Responsibility and Local Producer Responsibility policies and programs including bans, rules and incentives.
ENVS G144	cSLO 1	Write a plan to implement and oversee waste reduction for zero waste business plans.
ENVS G144	cSLO 2	Identify and distinguish zero waste businesses and conduct waste audits.
ENVS G144	cSLO 3	Recognize best practices utilized by a growing number of businesses to avoid wasting and achieve local, state, and federal legal requirements including international ISO 14001 environmental standards.
ENVS G160	cSLO 2	Understand the fundamental of radiation collection, measurement, and data processing analysis.
ENVS G160	cSLO 3	Describe the various components of solar thermal systems and their characteristics.
ENVS G160	cSLO 4	Compare various systems, their applications and performances, and their predicted energy savings and economics.
ENVS G160	cSLO 5	Understand the safety, environmental, and social impact of solar thermal energy.
ENVS G160	cSLO 6	Explore career opportunities and paths within the associated industries.
ENVS G162	cSLO 1	Explain the principles of solar cell designs and manufacturing technologies.
ENVS G162	cSLO 2	Describe the functions and performance characteristics of each of the components of a photovoltaic power system.
ENVS G162	cSLO 3	Compare various PV systems, their applications and performances, and their predicted energy savings and economics
ENVS G162	cSLO 4	Demonstrate knowledge of the process for conducting a site assessment and determining available solar resources for a PV installation.
ENVS G162	cSLO 5	Describe the safety, environmental, and social impacts of solar photovoltaic energy use.
ENVS G162	cSLO 6	Explore career opportunities and paths within the associated industries.
ENVS G170	cSLO 1	Explain the main characteristics and compare the availability of energy forms.
ENVS G170	cSLO 2	Describe the essential purpose and function of energy and the need for conservation.
ENVS G170	cSLO 3	Differentiate between renewable and non-renewable energy sources.
ENVS G170	cSLO 4	Compare and contrast current renewable energy conversion technologies.
ENVS G170	cSLO 5	Demonstrate an awareness of the social, political, economic and environmental issues of renewable energy generation and utilization.
ENVS G170	cSLO 6	Explore career opportunities and paths within the associated industries.
ENVS G180	cSLO 1	Define and differentiate types of ecotourism <sup>2</sup>
ENVS G180	cSLO 2	Identify geographic locations with specific ecotourism attractions.
ENVS G180	cSLO 3	Recognize the relationship between tourism and sustainable development <sup>2</sup>
ENVS G180	cSLO 4	Recognize the relationship between tourism and the management of natural resources.
ENVS G180	cSLO 5	Analyze the importance of community involvement in planning ecotourism projects <sup>2</sup>
ENVS G180	cSLO 6	Outline an ecotourism strategy to be implemented.
ENVS G180	cSLO 7	develop and acquire a working environmental vocabulary in the native language of the focused destination
ENVS G190	cSLO 1	Compare and evaluate the various career paths available in the environmental studies field.
ENVS G190	cSLO 2	Develop/select an appropriate plan of activities and objectives to be accomplished during the student's practicum.
ENVS G190	cSLO 3	Apply the theoretical knowledge gained in the classroom in a realistic work setting in the environmental studies field.

### Courses with cSLOs that still need to be assessed

Course Name	cSLO #	cSLO
ENVS G190	cSLO 4	Evaluate major communication processes within an environmental agency/firm.
ENVS G190	cSLO 5	Assess major environmental industry news/trends and current industry issues
ENVS G190	cSLO 6	Analyze the importance of community involvement in environmental issues.
ENVS G190	cSLO 7	Recognize the relationship between all disciplines involved in the environmental field.
ENVS G190	cSLO 8	Attain a satisfactory evaluation for the students practicum.
ENVS G190	cSLO 9	Interpret conclusions of the practicum.

### Courses Assessed and their Action Plans

Course Name	cSLO #	Semester Assessed	Action Plans
ENVS G100	cSLO 3	2013 - 2014 (Fall 2013)	I'll spend more time on RCRA in the future in my explanation. I will suggest that a field trip be taken to a local RCRA site so they can see up close the issues involved with these types of sites.
ENVS G100	cSLO 6	2013 - 2014 (Spring 2014)	I will make a stronger emphasis on this issue to increase the percentage of students being able to appraise the health effects of toxic substances.
ENVS G160	cSLO 1	2013 - 2014 (Spring 2014)	I will increase the number of visual examples in class.