

Program Learning Outcomes

I= Introduced
R= Reinforced
M= Mastered

Program Name: Environmental Science

Date: 7-7-2022

Program Learning Outcomes Knowledge, skill, or behavior students can demonstrate upon program completion		Courses Mapped to Outcomes								
		Concentration area courses	GES 130	GES 211	GES 213	GES 215	GES 220	GES 225	GES 310	GES 401
1	Understand the skills and perspective an environmentally-focused science discipline brings to Environmental Science	I/R								M
2	Demonstrate a broad interdisciplinary understanding of systems concepts in environmental science		I	R/M	R/M	R/M				
3	Know how environmental issues affect and are affected by politics and economics		I						R/M	
4	Know how concepts of sustainability inform environmental science		I	R	R	R				M
5	Possess the knowledge, skills, and intellectual tools to address complex and multifaceted problems		I	R	R	R	R	I/R		M
6	Work effectively in a team with scientists and other professionals from other disciplines			I	I/R	I/R	R/M		I/R	M

Program Learning Outcomes: Assessment Tools

Program Name: Environmental Science

Date: 7-7-2022

Program Learning Outcomes Knowledge, skill, or behavior students can demonstrate upon program completion	Measurement Tool	Timeline/Frequency of Assessment	Target	Review	
1	Understand the skills and perspective an environmentally-focused science discipline brings to Environmental Science	GES 401 Disciplinary report, retained and reviewed at retreat	Every 3 years, beginning 2022-2023	80% of reports acceptable as professional field notes	Department review of results
2	Demonstrate a broad interdisciplinary understanding of systems concepts in environmental science	Evaluative assessments in individual Mastery courses. Exam questions or assignments deemed as testing mastery are collected for review.	Every 3 years, beginning 2022-2023	80% of artifacts demonstrate mastery of target skill for the assignment	Department review of results
3	Know how environmental issues affect and are affected by politics and economics	Evaluative assessments in GES 310. Exam questions or assignments deemed as testing mastery are collected for review.	Every 3 years, beginning 2022-2023	80% of artifacts demonstrate mastery of target skill for the assignment	Department review of results
4	Know how concepts of sustainability inform environmental science	GES 401 Project report section addressing the bearing of the problem or research results on environmental sustainability	Every 3 years, beginning 2022-2023	80% of artifacts demonstrate mastery of target skill for the assignment	Department review of results
5	Possess the knowledge, skills, and intellectual tools to address complex and multifaceted problems	GES 401 Projects, retained and reviewed	Every 3 years, beginning 2022-2023	80% of questions reviewed demonstrate understanding	Department review of results
6	Work effectively in a team with scientists and other professionals from other disciplines	GES 401 Projects, retained and reviewed	Every 3 years, beginning 2022-2023	80% of questions reviewed demonstrate understanding	Department review of results