



## GLISTEN Collaborative Cluster Summary – Erie Cluster



Campuses	Departments	Faculty	Courses	Semester or Term	Enrollment	Stewardship Liaisons	Community Partners	Environmental Service-Learning Project Examples
Gannon University	Biology	Ganger/Ropski	First Year Seminar	Fall 2011	42	Blank  Schmitt	Regional Science Consortium of the Tom Ridge Center	Research jaw/teeth structure of invasive round gobies to determine how well they are evolving/adapting to the Lake Erie environment
		Skwor	Introduction to Microbiology	Fall 2010	61		Pennsylvania Sea Grant	Construct and test a device to collect non-point source sediment pollution in Cascade Creek

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Gannon University (cont'd)	Biology (cont'd)	Zagorski	Limnology	Fall 2011	12	See above	Erie County Health Department and the PA Department of Environmental Protection	Collect and analyze water and sediment samples from selected sites in Presque Isle Bay and Lake Erie
		Andraso/Skwor	Directed Research	Fall/Spring 2010/2011	2		Presque Isle State Park	Clean up coast at Seven Mile Creek, McDannell Run and Presque Isle State Park
				Fall 2011	1			
				Spring 2012	1			
		Ropski	Ecosystem Biology and Evolution	Spring 2011	22			
				Environmental Issues	Fall 2010		75	
					Spring 2011		15	
		Spring 2012	9					

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Gannon University (cont'd)	Chemistry	Herrboth	Undergraduate Research	Fall 2010	2	See above	See above	See above
			Senior Thesis	Fall/Spring 2010/2011	2			
	Environmental Science	Homan	Environmental Health Lab	Fall 2011	11			
			Intro to Environmental Science	Spring 2012	7			
	Mechanical Engineering	Vernaza	Strength of Materials	Fall 2011	16			
	Engineering and Computer Science		Professional Enrichment Seminar	Fall/Spring 2010/2011	12			
				Fall 2011	15			
			Spring 2012	5				
	Political Science	Fairley	US Government and Politics	Spring 2011	22			

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Mercyhurst College	Biology	Cross	Botany	Fall 2010	21	Beck	Regional Science Consortium of the Tom Ridge Center	Test Lake Erie water for contamination with sucralose artificial sweetener
			Plant Propagation	Spring 2011	4	Teygart	Millcreek watershed organizations	Create, donate, and install rain barrels to control stormwater runoff
		Campbell	Parasitology	Spring 2011	21		Presque Isle State Park	Remove terrestrial invasive species
			Wetland Ecology	Spring 2011	4			
			Independent Student Research	Fall 2010	2			
			Understanding Disasters	Fall 2010	25			
				Fall 2011	75			
		McBride	Global Energy and Ethics	Fall 2011	25			
		Inter-disciplinary Studies	Magoc, Campbell	Introduction to Sustainability	Fall 2011			

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Mercyhurst College (cont'd)	Sustainability	Campbell , Prischak	Responding to Climate Change	Winter 2011-12	9	See above	See above	See above
				Spring 2012	75			
		Magoc	Independent Student Research	Spring 2011	2			
	History		Internship	Fall 2011	1			
	Interior Design	Heher	Independent project	Fall 2011	4			
	Chemistry	Parente	Independent Research	Spring/ Summer 2012	4			
	Environmental Science	Mauro	Environmental Problem Solving	Summer 2010	6			
Spring 2012				5				
Both campuses	Credit awarded through History Department at Gannon	Team led by faculty from SUNY Fredonia	Plastics in the Great Lakes	Summer 2012	2		Erie Maritime Museum's Brig <i>Niagara</i>	Conduct research on plastics in the Great Lakes—to estimate quantity of plastics in the water and study how much fish are ingesting, and then passing up the food chain
TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
2	13	17	27	5	692	4	6	8

