2018

Food Sustainability-Alignment of Project, Module, and Course Learning Outcomes

Karleen West
SUNY-Geneseo, kwest@geneseo.edu

Suann Yang
SUNY Geneseo, yang@geneseo.edu

Follow this and additional works at: https://knightscholar.geneseo.edu/sustainability-curriculum-materials

Recommended Citation

Project Learning Outcome	Food Systems Learning Outcome	Course-specific Learning Outcomes	
		Principles of Ecology (Biol 203)	Global Environmental Politics (PLSC 390)
1. Define sustainability, including the three pillars of sustainability.	1. Explain how a sustainable food system requires an integration of economic, social, and environmental perspectives.		
2. Identify key questions related to sustainability.			
3. Apply discipline-specific theories and data to answer questions on sustainability.	2. Apply concepts from within a discipline to assess the impacts of different dietary choices, including a. Personal vs systemic impacts b. Local vs global impacts 3. Communicate analyses of dietary systems in a variety of forms, such as a. Oral b. Written c. Visual	1. Define genetically modified organisms, and explain their advantages and disadvantages with respect to the environmental sustainability of food production. 2. Describe how agriculture alters processes of nutrient cycling. 3. Evaluate ways to alleviate the environmental degradation that can be caused by agriculture, including: a. Interpreting statistical results to evaluate a method's effectiveness. b. Conducting statistical analysis in R. 4. Explain why different dietary choices vary in ecological impact using: a. Food webs b. Trophic structure c. Ecosystem energetics (efficiencies)	1. Identify the major actors influencing food politics around the world; 2. Understand the different ethical and philosophical positions that inform sustainable food systems; 3. Describe and critique different political regulations of food systems; 4. Assess the reasons for inaction on implementing more sustainable food systems 5. Create new ways to understand and respond to the challenges of developing sustainable food systems.
4. Integrate perspectives from at least two disciplines into analyses of sustainability to demonstrate the complex, multidimensional, and interdisciplinary nature of sustainability issues.	4. Evaluate recommendations for responsible food choices from multiple disciplines.		
5. Reflect on how knowledge of sustainability issues can shape lifestyle choices / how people live their daily lives.	5. Justify personal decisions about food choices using evidence from multiple sources.		