

Sustainability Scholars and their Courses

Name	Department	Course	Description of how you incorporated sustainability into your course
Samantha DiRosa	Art and Environmental Studies	ART114 Time Arts	I developed ART 114 Time Arts during my year as a Sustainability Scholar. In this course I weave working with recycled/found/natural materials into projects, but we also tackle sustainability issues on a conceptual level, with such projects as the Arts West Victory Garden (urban vegetable garden with recycled containers on the patio of Arts West) and the Soundscape project, where students learn about issues within the discipline of acoustic ecology. From this course and my work as a sustainability
David Gammon	Biology	BIO101 Introductory biology for nonmajors	I focus on human environmental impact for approximately 20% of the course. Students design independent projects in which they measure their personal environmental impact, and then put their own data into a larger environmental and social context. In addition to BIO101, I cover environmental impact with its economic and social dimensions in several other courses, including COR456 (So you think you can save the planet?), COR110 (The Global Experience), SCI121 (Science Without Borders),
Michele Kleckner	Computing Sciences	COR110 The Global Experience	I dedicate 1/3 of the semester in COR110 to the topic of sustainability, helping the students to understand the economic, social and environmental aspects of sustainability. Students are assigned a country early on in the semester. They then report on and research/write about the sustainability issues and efforts for that specific country. Over time I've also had them research/write about sustainability issues in their own hometowns.
Ryan Kirk	Geography and Environmental Studies	GEO 340 Water Resources Management	This course explores the scientific, economic, and politic aspects of managing our water supply and protecting water quality. After participating in the Sustainability Faculty Scholar program, I developed two new exercises, one that evaluates the pros and cons of the bottled water industry & personal drinking water choices, and the other on estimating sustainable water supply in our area in the face of climate change. In addition, for each big topic, I now build in discussions focusing on how sustainability
Amanda Chunco	Environmental Studies	ENS 200 Strategies of Environmental Inquiry	This course is an introduction to various research methods used in the field. I have implemented several case studies looking at different aspects of sustainability to introduce key statistical terms and ideas.
Carmen Monico	Human Service Studies	HSS 350	I integrated sustainability concerns in various ways in my HSS350 International Human Service Course in spring 2014, including: (1) by assuming the "integrated perspectives" theoretical framework for international development that takes account not only of human capital but also the natural capital, among others; (2) encouraging students to engage in advocacy related to sustainability topics to make formal presentations about the topics in which they were involved; as a result a student gave a
Steve Moore	Environmental Studies		Expand Loy Farm with a new Barn; Work to get Elon raised food in to the dining hall; Working with Scott Morrison on a Env Ed Major; Working with Liz Bailey on a Food Studies Minor; Incorporate Climate change as a theme for the ENS Methods course; Janet MacFall and I finished a book on an Environmental Science Lab Manual for water quality studies (used by ENS 113).
Scott Morrison	Education	EDU 211 School and Society	I added course readings on environmental literacy, nature-deficit disorder, and place-based education. Also, I held two classes at Loy Farm and led students through activities in which they had to consider how farms, gardens, outdoor spaces, etc. could be used to teach traditional content and skills.
Beth Evans	Exercise Science		I integrated sustainability concepts into my ESS 295 Research Methods courses during the Spring of 2015. A large portion of this course involves a semester-long writing project where students design research proposals to examine the impact of physical activity on various health outcomes. I had students design research proposals that aimed to investigate the effect of active commuting (i.e., using physical activity as a means of transportation) on physical and psychological health. Some of the
Nicole Triche	Communications	COM220 Creating Digital Content	Had COM220 students research an assigned sustainability topic, then create a call-to-action electronic poster for Elon students based on their research.
Scott Spurlock	Computing Sciences	ISC 111 - Data Science and Visualization	My goal is to weave sustainability through the course. I model sustainability by going (almost completely) paperless. We use many in-class examples drawn from sustainability-related topics (e.g., temperature change over time) for in-class analysis, and I created a lab assignment focusing on global climate-related disaster data. Also, I encourage students to choose a sustainability-related theme for their final project.