

**Eastern WV Community & Technical College
Master Course Record**

Course Prefix and Number: GSC 120
Course Title: Concepts in Environmental Science
Recommended Transcript Title Concepts in Environmental Science
Date Approved/Revised: 1/9/12; 10/16/13; 1/28/15; 10/5/17
Credit Hours: 3 Contact hours per week (Based on 15 week term): Lecture: 2 hours Lab: 2 hours
Prerequisite: ENL 100 OR minimum acceptable test scores for placement in college-level English. Corequisite: None Pre/Corequisite:
Grading Mode: Letter
Catalog Description: Concepts in Environmental Science is designed to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world.
Course Outcomes: Students will be able to: <ul style="list-style-type: none"> 1. Understand the societal (social, political, economic, cultural and/or ethical) variables that contribute to environmental degradation and to consider critical thought and responsive activism toward resolving environmental problems. 2. Analyze representations of key concepts from environmental science, policy, and values as they appear in mass media, society, literature, and/or theory. 3. Understand the relationship between environmental studies research and field/application settings, and to document and reflect on one's individual fieldwork and/or civic engagement as related to environmental studies concepts and goals. 4. Demonstrate ability to effectively present research to lay audiences in written and oral form. 5. Evaluate the key points of a complex article or research work in environmental studies, and to critique the theoretical framework, methodology and findings of that study. 6. Reflect critically about their roles and identities as citizens, and consumers in a complex, interconnected world. 7. Apply the scientific method to evaluate environmental problems and propose solutions.
Implementation Cycle: Fall
Role in College Curriculum: (Check all that apply) X General Education Core: Natural Science

Course Number & Title: GSC 120 Concepts in Environmental Science
Date Prepared/Revised: 10/14/13; 9/8/17
Date Course Approved by Curriculum Committee: 10/5/17
Date Course Approved by LOT: 1/15/12; 10/16/13; 1/28/15; 10/16/17

<input type="checkbox"/> Technical Core (Specify Program) <input type="checkbox"/> Restricted Elective (Specify Program) <input checked="" type="checkbox"/> General Elective: Natural Science <input type="checkbox"/> Workforce Education <input type="checkbox"/> Other (Please specify)
Course Fee: Lab fee
Instructor's Qualifications: Master's degree with 18 hours in science.
Expanded Course Description Topics include the biological and chemical principles that relate to current environmental issues, conservation of plants and animals, energy flow, nutrient cycling, basic ecological and technological concerns and advances, political and ethical concerns, sociological consequences of topics considered and scientific analysis and solutions to environmental problems. This course includes a strong laboratory and field investigation component to complement the classroom portion of the course allowing students to learn about the environment through firsthand observation.

Prepared by: Debra Backus, 10/ 14/13
Amo Oliverio, Science Instructor, 10/5/17

Approved by:
LOT –e-vote

1/12/12

Dean, Academic Services

Date