

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

Course Prefix and Number: CHM 200
Course Title: Environmental Chemistry
Recommended Transcript Title (if over 40 characters)
Date Approved/Revised:
Credit Hours: 4 Contact hours per week (Based on 15-week term): Lecture: 3 Lab: 2
Prerequisite: GSC 110, GSC 110L Corequisite: Pre/Corequisite:
Grading Mode: Letter
This course involves a study of atmospheric, water, and soil chemistry as well as the associated air, water, and soil pollution. Specific topics include the greenhouse effect, climate change, fossil fuels, renewable energy technologies, and toxic organic compounds like pesticides and dioxins. The basic laboratory work supports lecture topics.
Course Outcomes: 1. Demonstrate an understanding of atmospheric chemistry and air pollution. 2. Describe the greenhouse effect, climate change; and distinguish between fossil fuels and renewable energy technologies. 3. Explain basic concepts of water chemistry and water pollution. 4. Demonstrate an understanding of toxic organic compounds including heavy metals, pesticides, dioxins, furans, and PCBs. 5. Perform safe laboratory procedures in lab. 6. Demonstrate scientific inquiry and research skills by using scientific methods effectively in problem solving.
Implementation Cycle: Fall
Role in College Curriculum: (Check all that apply) <input checked="" type="checkbox"/> General Education Core – Natural Science <input checked="" type="checkbox"/> Technical Core – BET <input type="checkbox"/> Restricted Elective <input type="checkbox"/> General Elective <input type="checkbox"/> Workforce Education <input type="checkbox"/> Other (Please specify)
Course Fee: Yes
Instructor's Qualifications: Master's degree with a minimum of 18 hours in physical or natural science.
Expanded Course Description (provides details regarding major course concepts, target audience, delivery format, etc.)

Course Number & Title: CHM 200: Environmental Chemistry

Date Prepared/Revised: 11-30-16; 8-11-20

Date Course Approved by Curriculum Committee: 12-6-16; 9-15-20

Date Course Approved by LOT: 12/12/16; 10/28/2020

Prepared by: Anthony Oliverio, Science Instructor

8/11/2020

Signature

Date

Approved Per LOT Minutes

10/28/2020

Dean of Teaching and Learning

Date

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