

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

<b>Course Prefix and Number:</b> BET 230
<b>Course Title:</b> Air and Water Quality Sampling and Assessment
<b>Recommended Transcript Title:</b> (if over 40 characters)
<b>Date Approved/Revised:</b> 12/6/16; 10/5/17
<b>Credit Hours:</b> 3 <b>Contact hours per week (Based on 15 week term):</b> <b>Lecture:</b> 2 <b>Lab:</b> 2
<b>Prerequisite:</b> GSC 110, CHM 200 <b>Corequisite:</b> None <b>Pre/Corequisite:</b>
<b>Grading Mode:</b> Letter
<b>Catalog Description:</b> This laboratory course covers basic physical, chemical and biological methods for the characterization of air, water, and wastewater. Instrumentation training and various sampling techniques of air and water in various environments will be covered. Preparation and quality of written reports is emphasized.
<b>Course Outcomes:</b> 1. Understand the reasons, principles, and techniques of air and water sampling as they apply to human health and the surrounding industries. 2. Write and comprehend technical reports associated with the collection and analysis of air and water samples. 3. Describe and utilize various instruments and sampling equipment used to sample air and water in the environment.
<b>Implementation Cycle:</b> Spring
<b>Role in College Curriculum: (Check all that apply)</b> <input type="checkbox"/> <b>General Education Core (Specify category)</b> <input checked="" type="checkbox"/> <b>Technical Core (BET)</b> <input checked="" type="checkbox"/> <b>Restricted Elective (BET)</b> <input type="checkbox"/> <b>General Elective</b> <input type="checkbox"/> <b>Workforce Education</b> <input type="checkbox"/> <b>Other (Please specify)</b>
<b>Course Fee:</b> Yes
<b>Instructor's Qualifications:</b> Master's degree with a minimum of 18 hours in natural science.
<b>Expanded Course Description:</b> Field work will be required for some labs regardless of weather.

Prepared by:

Anthony Oliverio, Science Instructor

11/30/16; 10/5/17

Name Title

Date

Approved Per LOT Minutes:

Dean of Teaching and Learning

Date

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Date Course Approved by LOT: 12/12/16; 10/16/17