

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

Course Prefix and Number: GSC 109 GSC 109L
Course Title: General Physical Science I General Physical Science I Lab
Recommended Transcript Title: General Physical Science I General Physical Science I Lab
Date Approved/Revised: 10/3/06; 12/7/06; 12/10/11; 8/9/13; 9/16/13; 12/8/14; 8/3/17; 8/21/17; 10/5/17
Credit Hours: GSC 109 3 credit hours GSC 109L 1 credit hour Contact hours per week (Based on 15-week term): Lecture: 3 Lab: 2
Prerequisite: MTH 115 or higher, OR minimum acceptable test scores for placement in college-level math. ENL 100, OR minimum acceptable test scores for placement in college-level English. Corequisite: GSC 109 and GSC 109L Pre/Corequisite:
Grading Mode: Letter Grade
Catalog Description: A study of basic physics and astronomy designed to increase one's awareness of the physical universe. GSC 109L Application and demonstration of the concepts presented in GSC 109 lectures.
Course Outcomes: The following list of course goals will be addressed in the course. These goals are directly related to performance objectives. <ol style="list-style-type: none"> 1. Perform the steps of the scientific method and communicate with precision, clarity, fluency, accuracy, and coherence through reading, writing, and oral communications. 2. Apply mathematical concepts appropriate to critically analyze and evaluate experimental data. 3. Apply physical science knowledge and scientific principles to ethical concerns, civic engagement, and lifelong learning activities. 4. Recognize the link between science and technology, including the use of technology for learning, research, and communicating findings. 5. Identify patterns of motion and equilibrium. 6. Define Newton's Laws of Motion. 7. Explain and apply principles of mechanical, thermal, and atomic energy. 8. Describe magnetic, gravitational, and electrical forces.

Course Number & Title: GSC 109 General Physical Science I and GSC 109L General Physical Science I Lab

Date Prepared/Revised: 10/3/06; 12/7/06; 12/10/11; 8/9/13; 12/8/14; 8/3/17

Date Course Approved by Curriculum Committee: 8/3/17; 10/5/17

Date Course Approved by LGE: 9/16/13; 12/15/15; 8/21/17; 10/16/17

<p>9. Describe properties of waves, sound, and light.</p> <p>10. Generalize astronomy principles and aspects of the universe.</p>
<p>Implementation Cycle: Fall</p>
<p>Role in College Curriculum: (Check all that apply)</p> <p><input checked="" type="checkbox"/> General Education Core: Natural Science Lecture and Lab</p> <p><input type="checkbox"/> Restricted Elective (Specify Program)</p> <p><input type="checkbox"/> General Elective</p> <p><input type="checkbox"/> Workforce Education</p> <p><input type="checkbox"/> Other (Please specify)</p>
<p>Course Fee: Yes, lab fee</p>
<p>Instructor's Qualifications: Master's degree with 18 hours in science.</p>
<p>Expanded Course Description: This course is designed to be a study of basic <i>physics</i> and <i>astronomy</i> and to increase one's awareness of the physical universe.</p> <p>This course is designed to show how science is intricately interwoven into almost everything around us. Upon completion of GSC 109 and GSC 110, the student will have an abbreviated study in the following science areas: physics, chemistry, astronomy, meteorology, and geology.</p>

Prepared by: Amo Oliverio, Science Instructor, 8/3/17

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Approved Per LOT Minutes:

Dean, Teaching and Learning	Date
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