



Course Number Course Name	PHYS 2115, General Physics
Credit Value (Breakdown of theory and lab credits)	3 Theory
Catalog Course Description	You will study optics and modern physics. Prerequisites: PHYS 1240 or PHYS 1320; Co-requisite: PHYS 2115L. (3, 3T+0L)
Student Learning Outcomes/Objectives /Competencies of the Course	<p>Student Learning Outcomes: At the end of this course the student will understand and solve problems related to:</p> <ol style="list-style-type: none"> 1. Relativity (time dilation and length contraction). 2. Blackbody radiation. 3. Atomic spectra. 4. Photoelectric effect. 5. Particle physics and wave particle duality. 6. Uncertainty principle. 7. Nuclear physics. 8. Cosmology (time permitting). 9. Lenses. 10. Refraction and reflection. 11. Interference.
College-Wide Student Learning Outcomes	<p>ENGR 2115 learning objectives align with the following NNMCC College Wide Goal:</p> <p><i>Critical thought: Students are required to analyze and synthesize information and draw reasoned conclusions.</i></p>