

NORTHERN NEW MEXICO COLLEGE



Course Number Course Name	PHYS 3302, Optics
Credit Value (Breakdown of theory and lab credits)	3 Theory
Catalog Course Description	You will study geometrical optics, wave theory of light, Fresnel and Fraunhofer diffraction, polarization, absorption, dispersion, and scattering. Prerequisite: PHYS 2115
Student Learning Outcomes/Objectives /Competencies of the Course	Student Learning Outcomes: At the end of this course the student will understand: <ol style="list-style-type: none">1. Geometrical optics.2. Wave theory of light.3. Fresnel and Fraunhofer diffraction.4. Polarization, absorption, dispersion, and scattering.
College-Wide Student Learning Outcomes	PHYS 3302 learning objectives align with the following NNMC College Wide Goal: <i>Critical thought: Students are required to analyze and synthesize information and draw reasoned conclusions.</i>