



# Course Competency Report by Code

Code: BZT1

## Physics: Waves and Optics (BZT1)

Course of Study: BZT1 - Physics: Waves and Optics

Course Level: Undergraduate

Course Division: Lower Division Major

Discipline: Physics

Course Type:

Department: Science

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
207.2.1	Mechanical Waves	The graduate applies models of wave motion to solve mechanical wave problems, including sound waves.
207.2.3	Thermal Properties	The graduate applies concepts of temperature and heat to analyze microscopic and macroscopic properties of matter.
207.2.5	Thermodynamics	The graduate applies concepts of thermodynamics to solve problems.
207.2.6	Nature of Light	The graduate applies models of light to solve problems and describe the behavior of light.
207.2.7	Geometric Optics	The graduate applies the ray model of light to demonstrate how mirrors and lenses are used in optical instruments.
207.2.8	Physical Optics	The graduate applies the wave model of light to demonstrate interference, diffraction, and applications of physical optics.