

# PALT 404 Wave Optics

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## **PALT 404 WAVE OPTICS**

An introductory hands-on course in wave optics describing the properties of light and its interaction with objects using wave equations. Topics include: concepts of superposition, polarization, interference and diffraction; the interaction of light waves with small objects such as wires, apertures and multilayered coatings; mathematical techniques needed to quantify interactions. *Letter Grade Only. Degree Credit.*

**Units:** 4

**Hours/semester:** 48-54 Lecture; 48-54 Lab; 96-108 Homework

**Prerequisites:** Completion of, or concurrent enrollment in, PALT 402

**Transfer Credit:** CSU

