PALT 403 Optics and Photonics Modeling and Design

PALT 403 OPTICS AND PHOTONICS MODELING AND DESIGN

A hands-on introduction to modeling, analysis, and design of optical and photonics systems using matrix based computational programming (MATLAB or Octave) and commercial optical design software like ZEMAX. Topics Include: plotting and data visualization; use of arrays to understand image processing; design of optical and photonic systems using the ZEMAX software (or similar commercial software software). Letter Grade Only. Degree Credit.

Units: 3

Hours/semester: 32-36 Lecture; 48-54 Lab; 64-72 Homework

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

Transfer Credit: CSU