CATALOG DESCRIPTION:
OSE 6455C OPT-OPT 3(1,3): Photonics Laboratory
PR: Graduate standing and OSE 6432, or OSE 5414 and OSE 6474, or C.I.
Experimental study of photonic devices and systems including liquid crystal displays, fiber-optic sensors, laser diodes, electro optic modulation, acousto-optic modulation, lightwave detection, optical communications, and photonic signal processing

GOALS:
• Relate theoretical knowledge to a variety of photonics phenomena observed in practice.
• Learn photonics measurement techniques.
• Develop lab etiquette - Data collection and analysis, lab notebook and neat work table.
• Write lab reports of high quality - Follow the standard of a typical technical journal.

LIST OF EXPERIMENTS:
• LabView
• Beam Propagation
• Waveguides
• Acousto-Optics
• Electro-Optics
• Liquid Crystal Display
• Fiber Sensor
• Laser Diode
• Fiber-Optic Link
• Wavelength-Division Multiplexed System
• Simulation of Photonic Systems

SUGGESTED READING: