

# ECSE 540. PHOTONIC DEVICES AND APPLICATIONS.

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Credits: 3

Offered by: Electrical & Computer Engr (Faculty of Engineering)

Terms offered: Fall 2025

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## Description

Physical basis of passive and active photonic devices, including optical waveguides and fibers, semiconductor lasers, photodetectors, modulators, and amplifiers. Applications to optical signal processing and photonic systems. Introduction to optical test-and-measurement instrumentation.

- Prerequisite(s): ECSE 354
- (3-0-6)

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