ECSE 572. NONLINEAR OPTICS.

Credits: 3

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

Terms offered: Fall 2025

View offerings for Fall 2025 in Visual Schedule Builder.

Description

Nonlinear optical processes and their applications: optical fibres, waveguides and crystals. Origin of second- and third-order nonlinear susceptibility, symmetry properties, coupled-wave propagation, phase-matching techniques, sum- and difference frequency generation, parametric amplification, four-wave mixing, self- and cross-phase modulation, soliton propagation, Raman scattering and the electro-optic effect.

· (3-0-6)

· Prerequisite: ECSE 354

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

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