

# ECSE 353. ELECTROMAGNETIC FIELDS AND WAVES.

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Credits: 3

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

This course is not offered this catalogue year.

## Description

Divergence, gradient and curl. The divergence theorem and Stokes' theorem. Maxwell's equations in integral and differential form. Waves in free space and on transmission lines. Electric and magnetic force and energy. Magnetic materials. Faraday's law. Applications to engineering problems. S-parameters.

- (3-2-4)
- Prerequisites: ECSE 210, MATH 262, MATH 263
- Tutorials assigned by instructor.

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