

COURSE DETAIL

ELECTRICITY AND MAGNETISM

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Electrical Engineering

UCEAP Course Number

107

UCEAP Course Suffix

A

UCEAP Official Title

ELECTRICITY AND MAGNETISM

UCEAP Transcript Title

ELECT & MAGNETISM

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course covers electromagnetic wave theory with an emphasis on statics, skills to solve Maxwell's equations, and perspectives to look at related applications. Topics include Electromagnetic Model, Vector Analysis, Static Electric Fields, Solution of Electrostatic Problems, Steady Electric Currents, Static Magnetic Fields, and Time-Varying Fields and Maxwell's Equations.

Language(s) of Instruction

English

Host Institution Course Number

EEE2030

Host Institution Course Title

ELECTRICITY AND MAGNETISM

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Electrical and Electronics Engineering

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