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 & MAGNETISM (1)

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Electrical and Electronics Engineering

Course Last Reviewed
2023-2024

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