COURSE DETAIL

ENGINEERING MATHEMATICS- DIFFERENTIAL EQUATION (I)
Country Taiwan
Host Institution National Taiwan University
Program(s) National Taiwan University
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Engineering
UCEAP Course Number 15
UCEAP Course Suffix
UCEAP Official Title ENGINEERING MATHEMATICS- DIFFERENTIAL EQUATION (I)
UCEAP Transcript Title ENGR MATH DIFF EQ
UCEAP Quarter Units 3.00
UCEAP Semester Units 2.00

Course Description

The course, Differential Equations, is a fundamental mathematics course for the students in the EE department. The contents of this course are as follows:
1. Introduction: definition and terminology
2. First-order differential equation
3. Applications of first-order differential equation
4. Differential equations of higher order
5. Applications of high-order differential equations
6. Series solutions of linear equations
7. Orthogonal functions and Fourier series
8. Boundary-value problems in rectangular coordinates

Language(s) of Instruction
English

Host Institution Course Number
EE2021

Host Institution Course Title
ENGINEERING MATHEMATICS- DIFFERENTIAL EQUATION (I)

Host Institution Course Details
http://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=901%2020130&cl...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Electrical Engineering

Course Last Reviewed
2022-2023

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