

COURSE DETAIL

ENGINEERING MATHEMATICS 2

Country

Taiwan

Host Institution

National Taiwan University

Program(s)

National Taiwan University

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Mathematics Engineering

UCEAP Course Number

21

UCEAP Course Suffix**UCEAP Official Title**

ENGINEERING MATHEMATICS 2

UCEAP Transcript Title

ENGINEERING MATH 2

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course examines the basic principles of engineering mathematics, calculation, and their practical applications in engineering. The course covers linear algebra (matrix, vector, determinant, linear equation system, matrix eigenvalue problem), vector calculus, vector divergence and curl, gradient and direction derivative function of scalar field, Fourier series analysis and integration, Conversion and other units.

Language(s) of Instruction

Host Institution Course Number

TA10320421

Host Institution Course Title

ENGINEERING MATHEMATICS 2

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

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