

COURSE DETAIL

RAILROAD TRANSPORTATION ENGINEERING

Country

Taiwan

Host Institution

National Taiwan University

Program(s)

National Taiwan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Civil Engineering

UCEAP Course Number

110

UCEAP Course Suffix**UCEAP Official Title**

RAILROAD TRANSPORTATION ENGINEERING

UCEAP Transcript Title

RAILRD TRNSPRT ENGR

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

Rail transportation requires infrastructure, vehicles, motive power and energy to move goods and people. Each of these factors interact to affect the efficiency, energy requirements and economics of railroad operation. This course covers the principles of railroad transportation efficiency; economics, energy, and engineering. Topics include: Introduction to railroad infrastructure; rolling stocks; signal systems, and operations. The course is designed to establish the basic understanding and skills for conducting railway research and industrial projects.

Language(s) of Instruction

English

Host Institution Course Number

CIE5075

Host Institution Course Title

RAILROAD TRANSPORTATION ENGINEERING

Host Institution Campus

Host Institution Faculty

Engineering

Host Institution Degree

Host Institution Department

Civil Engineering

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