COURSE DETAIL

ENERGY CONVERSION SYSTEM
Country Japan
Host Institution Tohoku University
Program(s) Engineering and Science
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mechanical Engineering
UCEAP Course Number 105
UCEAP Course Suffix V
UCEAP Official Title ENERGY CONVERSION SYSTEM
UCEAP Transcript Title ENERGY CONVERSION
UCEAP Quarter Units 3.00
UCEAP Semester Units

2.00

Course Description

This course covers the basis of energy conversion systems, including electric power generation through energy resources and environmental sources. Focusing on electric power supply, the course addresses consumption patterns from reserves of energy resources and energy consumption of coal and oil. It covers the process of energy conversion; thermal and nuclear power generation; solar power generation, and fuel cell power generation system. To understand environmental issues, the course discusses the concept of general engineering and transport and energy consumption corresponding to the generation of electricity. A lecture tour of the operating power plants will be scheduled.

Language(s) of Instruction
English

Host Institution Course Number
N/A

Host Institution Course Title
ENERGY CONVERSION SYSTEM ENGINEERING

Host Institution Course Details
https://gkms2.bureau.tohoku.ac.jp/sa/slbssbdr.do?value(risyunen)=2024&value(sem...

Host Institution Campus
Tohoku University

Host Institution Faculty

Host Institution Degree

Host Institution Department
Engineering

Course Last Reviewed
2023-2024

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