

# COURSE DETAIL

## ELECTRICAL ENERGY SYSTEMS

**Country**

Singapore

**Host Institution**

National University of Singapore

**Program(s)**

National University of Singapore

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Electrical Engineering

**UCEAP Course Number**

116

**UCEAP Course Suffix****UCEAP Official Title**

ELECTRICAL ENERGY SYSTEMS

**UCEAP Transcript Title**

ELEC ENERGY SYSTEMS

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course provides an overview of traditional energy sources, electrical energy generation, transmission, distribution and utilization systems. It introduces the concepts of renewable energy sources, distributed renewable energy generation and smart-grid structure. The key issues of energy requirement in portable electronic computing system and wireless energy transfer are covered. The course requires students to take prerequisites.

### Language(s) of Instruction

English

### Host Institution Course Number

EE2022

### Host Institution Course Title

ELECTRICAL ENERGY SYSTEMS

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Electrical and Computer Engineering

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