COURSE DETAIL

CLEAN ENERGY AND STORAGE
Country Singapore
Host Institution National University of Singapore
Program(s) National University of Singapore
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Physics Environmental Studies
UCEAP Course Number 60
UCEAP Course Suffix
UCEAP Official Title CLEAN ENERGY AND STORAGE
UCEAP Transcript Title CLEAN ENERGY STORE
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
Modern civilization which on one hand boasts of having discovered the behavior of subatomic particles has also to its credit the impending intensified energy crisis and global warming. Thus, there is an urgent need to address these challenges. This course teaches about the current global energy crisis and how clean energy resources and energy storage devices can help. In addition to the principles of various energy processes, the course highlights the research done by the scientific community. Topics include: present energy scenario, solar energy, photovoltaic converters, nuclear energy, ocean energy, tidal energy, ocean thermal energy converters, wind energy, biomass, fuel cells, world of hydrogen and Lithium ion batteries.

Language(s) of Instruction
English

Host Institution Course Number
GEM1535

Host Institution Course Title
CLEAN ENERGY AND STORAGE

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Physics

Course Last Reviewed

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