COURSE DETAIL

MECHANICAL ENGINEERING FUNDAMENTALS OF RENEWABLE ENERGY
Country United Kingdom - Scotland
Host Institution University of Edinburgh
Program(s) University of Edinburgh
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mechanical Engineering
UCEAP Course Number 158
UCEAP Course Suffix
UCEAP Official Title MECHANICAL ENGINEERING FUNDAMENTALS OF RENEWABLE ENERGY
UCEAP Transcript Title RENEWABLE ENERGY
UCEAP Quarter Units 4.00
UCEAP Semester Units

2.70

Course Description

This course introduces the fundamental concepts from mechanical engineering that facilitates understanding and quantitative analysis of renewable energy systems. This includes concepts from the fields of structural mechanics, dynamics of mechanical systems, and fluid statics/dynamics. The course provides a grounding in key physical concepts and analytical methods to enable understanding of and quantitative analysis of renewable energy systems. Lecture material will cover: structural mechanics; Newtonian Dynamics; and fluid statics and dynamics. These are presented within the context of and applied to renewable energy systems

Language(s) of Instruction
English

Host Institution Course Number
PGEE11023

Host Institution Course Title
MECHANICAL ENGINEERING FUNDAMENTALS OF RENEWABLE ENERGY

Host Institution Course Details
http://www.drps.ed.ac.uk/25-26/dpt/cxpgee11023.htm

Host Institution Campus

Host Institution Faculty
School of Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed
2025-2026

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