COURSE DETAIL

DYNAMICS 4
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 135
UCEAP Course Suffix
UCEAP Official Title DYNAMICS 4
UCEAP Transcript Title DYNAMICS 4
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description

The course provides an understanding of core aspects of advanced dynamic analysis, dealing with system modelling, dynamic response and vibration analysis, structural dynamics both in the linear and non-linear regimes, wave propagation, and the dynamics of continuous and multi-degree of freedom systems. The main objective is to obtain an understanding and appreciation of the potential and limitations of analytical approaches and solutions, and the value of these in underpinning modern computer methods for simulating dynamic structural response.

Language(s) of Instruction
English

Host Institution Course Number
MECE10002

Host Institution Course Title
DYNAMICS 4

Host Institution Course Details
http://www.drps.ed.ac.uk/24-25/dpt/cxmece10002.htm

Host Institution Campus
Edinburgh

Host Institution Faculty
School of Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed
2024-2025

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