COURSE DETAIL

SUSTAINABLE AND RESILIENT INFRASTRUCTURE
Country United Kingdom - England
Host Institution University of Manchester
Program(s) University of Manchester
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Civil Engineering
UCEAP Course Number 119
UCEAP Course Suffix
UCEAP Official Title SUSTAINABLE AND RESILIENT INFRASTRUCTURE
UCEAP Transcript Title SUSTAINABLE INFRAST
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description

This course teaches students about the concepts of sustainability and resilience, and the main implications for infrastructure. Students should have a quantitative and qualitative understanding of both present and future challenges that face critical infrastructures (waste, energy, transport, and water). The course develops understanding and skills to compare costs and benefits of different technologies, materials, and managerial approaches that are relevant to the sustainability and resilience of infrastructure. It enables students to understand how decisions about infrastructure systems are made under conditions of complexity and uncertainty. It also enables students to develop professional skills.

Language(s) of Instruction
English

Host Institution Course Number
CIVL14022

Host Institution Course Title
SUSTAINABLE AND RESILIENT INFRASTRUCTURE

Host Institution Course Details
https://www.manchester.ac.uk/study/undergraduate/courses/2023/03869/meng-civil-...

Host Institution Campus
University of Manchester

Host Institution Faculty

Host Institution Degree

Host Institution Department
Civil Engineering

Course Last Reviewed
2022-2023

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