COURSE DETAIL

ENVIRONMENTAL SYSTEMS DYNAMICS & MODELLING
Country Australia
Host Institution University of Queensland
Program(s) University of Queensland
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies
UCEAP Course Number 150
UCEAP Course Suffix
UCEAP Official Title ENVIRONMENTAL SYSTEMS DYNAMICS & MODELLING
UCEAP Transcript Title ENV SYS DYN & MODEL
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course examines the concepts, theories and techniques required to describe dynamic environmental systems and to develop mathematical models to explore their behavior. Systems thinking and modelling approaches are applied to several important environmental systems and processes including chemical and biological transformations in water and air pollution applications, ecological models and population dynamics, global climate change, water balances in lakes and reservoirs, and energy and mass transfer.

Language(s) of Instruction
English

Host Institution Course Number
ENVE3150

Host Institution Course Title
ENVIRONMENTAL SYSTEMS DYNAMICS & MODELLING

Host Institution Course Details
https://my.uq.edu.au/programs-courses/course.html?course_code=ENVE3150&offer=53...

Host Institution Campus

Host Institution Faculty
Civil Engineering

Host Institution Degree

Host Institution Department

Course Last Reviewed
2023-2024

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