COURSE DETAIL

HEAT TRANSFER
Country United Kingdom - England
Host Institution Imperial College London
Program(s) Imperial College London
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Chemical Engineering
UCEAP Course Number 145
UCEAP Course Suffix
UCEAP Official Title HEAT TRANSFER
UCEAP Transcript Title HEAT TRANSFER
UCEAP Quarter Units 3.00
UCEAP Semester Units 2.00

Course Description
The aim of the project is to integrate knowledge gained from CE2 Reaction Engineering I and CE1 Chemical Engineering with CE2 Process Dynamics and Control and apply this to the design of a reactor for chemical conversion with an appropriate control structure. Further aims are to become familiar with the control systems simulations package Simulink and to gain proficiency in the use of MATLAB for real reaction rate equations and numerical integration. Simulink will enable study of dynamic effects on control of the reactor designed in this project.

Language(s) of Instruction
English

Host Institution Course Number
CENG95003

Host Institution Course Title
HEAT TRANSFER

Host Institution Course Details

Host Institution Campus
Imperial College

Host Institution Faculty

Host Institution Degree

Host Institution Department
Chemical Engineering

Course Last Reviewed

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