COURSE DETAIL

MECHATRONICS 3A
Country United Kingdom - England
Host Institution Imperial College London
Program(s) Imperial College London
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mechanical Engineering
UCEAP Course Number 168
UCEAP Course Suffix
UCEAP Official Title MECHATRONICS 3A
UCEAP Transcript Title MECHATRONICS 3A
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

Topics covered provide students with a comprehensive knowledge, theoretical and applied, to design and realize a full mechatronic system. The course content includes an overview of Control systems, modelling of dynamic systems, Laplace Transforms, Root locus, Steady state errors, final value theorem, Frequency response analysis, Bode diagrams, Compensation, and PID Controllers.

Language(s) of Instruction
English

Host Institution Course Number
MECH60018

Host Institution Course Title
MECHATRONICS 3A

Host Institution Course Details
https://www.imperial.ac.uk/mechanical-engineering/study/undergraduate/detailed-...

Host Institution Campus
London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mechanical Engineering

Course Last Reviewed
2023-2024

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