COURSE DETAIL

FLUIDS DESIGN
Country United Kingdom - England
Host Institution Imperial College London
Program(s) English Universities,Imperial College London
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Civil Engineering
UCEAP Course Number 107
UCEAP Course Suffix
UCEAP Official Title FLUIDS DESIGN
UCEAP Transcript Title FLUIDS DESIGN
UCEAP Quarter Units 2.50
UCEAP Semester Units 1.70

Course Description
Students produce an outline design of an offshore floating structure in a two-day design project. Specific attention is placed on the calculation of the fluid loads arising due to buoyancy effects, surface water waves, steady currents, the combination of waves, and currents. Students are exposed to a complex design problem requiring the practical application of the modeling procedures introduced in the autumn term of the core Fluid Mechanics module (CI2-240). The emphasis of the work lies in both undertaking practical design calculations and in understanding the limitations of the solutions achieved

Language(s) of Instruction
English

Host Institution Course Number
CI2-214

Host Institution Course Title
FLUIDS DESIGN

Host Institution Course Details

Host Institution Campus
Imperial College London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Civil Engineering

Course Last Reviewed

Print