COURSE DETAIL

THERMOFLUIDS 1
Country South Africa
Host Institution University of Cape Town
Program(s) University of Cape Town
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mechanical Engineering
UCEAP Course Number 106
UCEAP Course Suffix
UCEAP Official Title THERMOFLUIDS 1
UCEAP Transcript Title THERMOFLUIDS 1
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description
This course introduces students to the fundamentals of thermodynamic and fluid mechanic sciences in an integrated manner. Students examine fundamental concepts and definitions, as well as fluid properties and their relationships. Students also learn about the fundamental heat transfer mechanisms and become familiar with the 4 basic conservation laws. Students apply these to selected continuity problems, closed system problems, entropy problems as well as fluid statics and momentum problems, to familiarize themselves with the presented concepts and further their problem solving skills.

Language(s) of Instruction
English

Host Institution Course Number
MEC2050S

Host Institution Course Title
THERMOFLUIDS 1

Host Institution Course Details

Host Institution Campus
Engineering

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mechanical Engineering

Course Last Reviewed

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