COURSE DETAIL

FLUID DYNAMICS AND ACOUSTICS
Country Mexico
Host Institution National Autonomous University of Mexico
Program(s) National Autonomous University of Mexico
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Physics Engineering
UCEAP Course Number 127
UCEAP Course Suffix
UCEAP Official Title FLUID DYNAMICS AND ACOUSTICS
UCEAP Transcript Title FLUID ACOUSTICS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course offers a study of fluid dynamics with an emphasis on acoustics. Topics include: fundamentals of fluid mechanics; linear acoustic equations; traveling waves; reflection and transmission of plane waves; resonators, cavities, and waveguides; radiation; dispersion and diffraction; absorption and attenuation; measurement of acoustic parameters.

Language(s) of Instruction
Spanish

Host Institution Course Number
2030

Host Institution Course Title
ACUSTICA EN FLUIDOS

Host Institution Course Details
https://archive.fciencias.unam.mx/asignaturas/2030.pdf

Host Institution Campus
CIUDAD UNIVERSITARIA

Host Institution Faculty
FACULTAD DE CIENCIAS

Host Institution Degree

Host Institution Department
FISICA

Course Last Reviewed
2022-2023

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