

# 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**

FLUID DYNAMICS AND ACOUSTICS

## **Host Institution Campus**

CIUDAD UNIVERSITARIA

## **Host Institution Faculty**

FACULTAD DE CIENCIAS

## **Host Institution Degree**

## **Host Institution Department**

FISICA

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