

IDENTIFICATION

Course code : E3BE5QE5
ECTS : 2

DURATION

Lectures : 7
Tutorial classes : 21
Labs : 8
Total : 36

Project :
Personnal work :

ASSESSMENT

2 continuous assessments

TEACHING MATERIALS

Course support

LANGUAGE

English

CONTACT

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UE : UE5.2-QEB

COURSE : Fluid Mechanics

SCOPE OF THE COURSE

OBJECTIVES

The aim of this course is to establish balance equations and introduce the Navier-Stokes equations

COMPETENCE AND SKILLS

Know how to write balance equations, define the different types of flow, study viscous flows

PROGRAM

Generalized Bernoulli equation. Euler equations. Viscous flow. Introduction to the Navier-Stokes equation

BIBLIOGRAPHY

Fluid Mechanics
Sakir Amiroudine, Jean-Luc Battaglia

REQUIREMENTS

Fluid Mechanics courses CPI 1 and CPI 2