COURSE DETAIL

DEFORMABLE SOLID MECHANICS I

Country
France

Host Institution
University of Bordeaux

Program(s)
University of Bordeaux

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mechanical Engineering

UCEAP Course Number
106

UCEAP Course Suffix

UCEAP Official Title
DEFORMABLE SOLID MECHANICS I

UCEAP Transcript Title
DEFORM SOLD MECH 1

UCEAP Quarter Units
5.00

UCEAP Semester Units
3.30

Course Description

This course establishes the concepts of deformable solid mechanics. Students learn about finite transformations, their tensors, and their constraints. Infinitesimal transformations are treated as a particular case. The laws of linear behavior of anisotropic and isotropic materials are established, as well as the necessary equations used in the modeling of a structure in order to predict its behavior.

Language(s) of Instruction

French

Host Institution Course Number

EM7MS200

Host Institution Course Title

MÉCANIQUE DES SOLIDES DÉFORMABLES I

Host Institution Course Details

Host Institution Campus

INSTITUT NATIONAL POLYTECHNIQUE DE BORDEAUX

Host Institution Faculty

Host Institution Degree

Host Institution Department

ENSEIRB-MATMECA

Course Last Reviewed

Print