

COURSE DETAIL

INTRODUCTION TO SOLID MECHANICS

Country

Brazil

Host Institution

Pontifical Catholic University of Rio de Janeiro

Program(s)

Pontifical Catholic University of Rio de Janeiro

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Civil Engineering

UCEAP Course Number

28

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO SOLID MECHANICS

UCEAP Transcript Title

SOLID MECHANICS

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course offers an introduction to solid mechanics. Topics include: structural idealization; balance, forces, and moments; trusses; tensions and deformations; mechanical properties of materials; transformation of stresses in the plane; twist; stresses and tensions in beams; cables.

Language(s) of Instruction

Portuguese

Host Institution Course Number

ENG 1007

Host Institution Course Title

INTRODUCTION TO SOLID MECHANICS

Host Institution Campus

PUC-Rio

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Departamento de Engenharia Civil

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