

# 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**

INTRODUÇÃO À MECÂNICA DOS SÓLIDOS

**Host Institution Course Details****Host Institution Campus**

PUC-Rio

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

Departamento de Engenharia Civil

**Course Last Reviewed**

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