

# COURSE DETAIL

## TECHNICAL DESIGN I

**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)**

Mechanical Engineering

**UCEAP Course Number**

35

**UCEAP Course Suffix****UCEAP Official Title**

TECHNICAL DESIGN I

**UCEAP Transcript Title**

TECHNICAL DESIGN I

**UCEAP Quarter Units**

3.00

**UCEAP Semester Units**

2.00

**Course Description**

This course offers an introduction to the main techniques and methods of working in digital drawing. Topics include: program interface; geometric objects; rational organization of geometry; basic geometric transformations; translating, rotating, scaling, and reflection; use of precision tools; cylindrical projections; orthogonal views; dihedral system; axonometric representation; isometry, dimetry, and trimetry; representation of simple objects in isometry; tangents; four center method; line types and their application; scale; printing boards.

**Language(s) of Instruction**

Portuguese

**Host Institution Course Number**

ENG 1003

**Host Institution Course Title**

TECHNICAL DESIGN I

**Host Institution Campus**

PUC-Rio

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

Departamento de Engenharia Mecânica

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