

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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