

# COURSE DETAIL

## DISCRETE MATHEMATICS

**Country**

Brazil

**Host Institution**

Pontifical Catholic University of Rio de Janeiro

**Program(s)**

Pontifical Catholic University of Rio de Janeiro

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mathematics

**UCEAP Course Number**

130

**UCEAP Course Suffix**

E

**UCEAP Official Title**

DISCRETE MATHEMATICS

**UCEAP Transcript Title**

DISCRETE MATH

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

**Course Description**

This course offers a study of discrete mathematics. Topics include: set theory, logic, functions, and relations; integers and the principle of induction; combinatorial, basic counting rules; principle of inclusion and exclusion; discrete probability; graphs-- trees, flows in networks, pairings, Eulerian Hamiltonian, planar, and colored graphs.

**Language(s) of Instruction**

English

**Host Institution Course Number**

MAT 1310

**Host Institution Course Title**

MATEMATICA DISCRETA

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

PUC-Rio

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

Departamento de Matemática

**Course Last Reviewed**

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