

COURSE DETAIL

INTRODUCTION TO ANALYSIS

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)

Mathematics

UCEAP Course Number

22

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO ANALYSIS

UCEAP Transcript Title

INTRO TO ANALYSIS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course offers an introduction to analysis including: sets and relations; demonstrations by induction and contradiction; natural numbers; finite and infinite cardinalities, enumerability; rational and real numbers; limits and convergence of numerical sequences and series; straight topology-- open, closed, compact, connected, dense; Cantor ternary set; continuous functions-- Bolzano-Weierstrass Theorem, Intermediate Value Theorem, uniform continuity.

Language(s) of Instruction

Portuguese

Host Institution Course Number

MAT 1605

Host Institution Course Title

INTRODUÇÃO À ANÁLISE

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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