

COURSE DETAIL

COASTAL GEOMORPHOLOGY

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)

Geography Earth & Space Sciences

UCEAP Course Number

120

UCEAP Course Suffix**UCEAP Official Title**

COASTAL GEOMORPHOLOGY

UCEAP Transcript Title

COASTAL GEOMORPHOLOGY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course explores the geomorphological processes developed in coastal environments. Topics include: main coastal features-- coastal plains, escarpments or cliffs, coastal strands, tombolos, pontoons; sedimentary dynamics of beaches, wind transport, and the formation of dunes; sediment cover and transportation on the internal continental shelf; evolutionary reconstitution of the great coastal plains; coastal erosion monitoring; dynamics of forcing sediment work-- winds, waves, tide, and estuaries; forces generating kinetic energy of the sediments and the improvement of the coastal features of the marine or lake bottom; subsidies for shoreline or coastal management today and in the most recent geological periods.

Language(s) of Instruction

Portuguese

Host Institution Course Number

GEO 1120

Host Institution Course Title

COASTAL GEOMORPHOLOGY

Host Institution Campus

PUC-Rio

Host Institution Faculty

Host Institution Degree

Host Institution Department

Departamento de Geografia e Meio Ambiente

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