

COURSE DETAIL

STRUCTURAL GEOLOGY AND TECTONICS

Country

Italy

Host Institution

University of Bologna

Program(s)

University of Bologna

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Earth & Space Sciences

UCEAP Course Number

142

UCEAP Course Suffix**UCEAP Official Title**

STRUCTURAL GEOLOGY AND TECTONICS

UCEAP Transcript Title

STRUCTRL GEOL&TECTN

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course offers students the possibility to grow the knowledge and skills necessary to recognize, describe, and interpret structural and tectonic features at all scales of observation, and how to use structural geology to constrain tectonic and geodynamic scenarios recorded in the rock record. After completing the course, students are able to: recognize, measure, and plot the geometric features of a significant variety of geological structures, from the outcrop to the regional scale; understand the mechanics of deformation and assess the dynamic and kinematic framework within which deformation and strain localization have taken place; reconstruct modes and timing of deformation; and decipher the geodynamic environments that govern the first-order evolution of our Planet. Teaching includes a combination of theory lessons, practical sessions and one excursion to deformed areas of the Northern Apennines.

Language(s) of Instruction

Italian

Host Institution Course Number

95807

Host Institution Course Title

STRUCTURAL GEOLOGY AND TECTONICS

Host Institution Campus

BOLOGNA

Host Institution Faculty

Host Institution Degree

L in SCIENZE GEOLOGICHE

Host Institution Department

Biological, Geological, and Environmental Sciences

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