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
GEOLOGIA STRUTTURALE E TETTONICA

Host Institution Course Details
https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2023/467148

Host Institution Campus
BOLOGNA

Host Institution Faculty

Host Institution Degree
L in SCIENZE GEOLOGICHE

Host Institution Department
Biological, Geological, and Environmental Sciences

Course Last Reviewed
2023-2024

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