

# 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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