

Course offered for the STAT PhD program

TITLE	Microtectonics
Main Lecturer	Laura Federico
Duration and Credits	12h, 3 CFU
Course description	<p>The course aims at illustrating microstructures of deformed rocks, with special attention to:</p> <ul style="list-style-type: none">- deformation mechanisms,- shear sense indicators,- veins and fringes,- microstructures of fault rocks. <p>The use of microstructures as microgauges of temperature, pressure and differential stress will also be examined.</p> <p>The course also frames the study of microstructures within a multidisciplinary and multiscale approach, to infer the geological and structural settings of an area.</p>
Course organization	<p>The course is organized in frontal lessons and practical sessions of optical microscopy.</p>
Teaching period	July 2024