

Course offered for the STAT PhD program starting from a.y. 2022/2023

TITLE	GIS, mapping and spatial analysis
Lecturer	Mandarino Andrea
Duration and Credits	16 hours – 4 CFU
Course description	<p>This interdisciplinary course provides a theoretical and practical background on GIS and the use of free and open source GIS software. The PhD students will be trained in manipulating, analysing, managing, and presenting geodata for a wide range of environmental applications (with special reference to earth sciences and environmental/natural sciences).</p> <p>Topics: basic geospatial and cartographic concepts; geodata acquisition, realization, and editing; available sources of geodata; data analysis; map design.</p> <p>The course includes a specific session dedicated to GNSS-data, and to field-data acquisition in a GIS environment by using mobile devices.</p> <p>A good knowledge about operating systems and file management is required, together with a basic knowledge about reference systems and basic skills in map reading.</p>
Course organization	This course consists of frontal lessons and practical training.
Teaching period	June – July. Students are invited to contact the reference lecturer to schedule the class.