

Course offered for the STAT PhD program starting from a.y. 2020/2021

TITLE	Urban geomorphology. Landforms and Processes in Cities
Main Lecturer	Francesco Faccini (RTI)
Duration and Credits	3 CFU
Course description	Urban Geomorphology looks at anthropogenic modifications of urban landscapes. In cities, human activities have progressively transformed the original natural landscape into an anthropogenic one. Urban Geomorphology contributes to: i) understanding the influence of urban expansion on geomorphological processes; ii) tracking links with natural hazards; iii) understanding and assessing geosites and geoheritage. In addition to traditional geomorphological survey techniques (field observations, photo-interpretation and use of Digital Terrain Models), the multidisciplinary approach involves the use of GIS platform for a multitemporal cartographic comparison and boreholes/wells stratigraphy database. Basic knowledge of general and thematic cartography, geology and geomorphology is required.
Course organization	combination of frontal lessons (1 CFU), practical (1 CFU) and field activity (1 CFU).
Teaching period	April-May