**Morphometrical and morphotectonic approach for the reconstruction of vertical motions distribution**

Dott. Ettore Valente

12 hours – 3 CFU

**Short Program**:

* Principles of tectonic geomorphology (1 hour)
* From topographic map to Dtm: qualitative and quantitative geomorphological analysis (1 hour)
* Morphometrical analysis: principles and methods of investigation (1 hour)
* Topographic profile and swath profile (1 hour)
* Morphometrical analysis at regional scale (1 hour)
* River network: from the plan view to river longitudinal profile and related parameters (2 hours)
* Morphometrical analysis of mountain front (2 hours)
* Case study (3 hours)

**Suggested Background**: Basic knowledge of geomorphology