

Morphometrical and morphotectonic approach for the reconstruction of vertical motions distribution

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12 hours – 3 CFU

Short Program of the Course:

- 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)

Prerequisites: Basic knowledge of geomorphology