

Hillslope hydrology for the assessment of hazard to rainfall-induced shallow landslides

Prof. Pantaleone De Vita

12 hours – 3 CFU

Short Program of the Course:

- Water potential and flow in the unsaturated domain (2 h)
- Hydraulic unsaturated/saturated properties of soils (2 h)
- Hillslope hydrological processes (2 h)
- Empirical models and deterministic models for the estimation of rainfall thresholds (2 h)
- The rainfall-induced debris flows occurring along the peri-volcanic slopes of Campania (4 h)