

## **Analysis of the geological method of investigation: a field-workshop on the geology of the Calabrian-Lucanian border**

Prof. Alessandro Iannace

12 hours – 3 CFU

### **Short Program:**

The course will illustrate how the elaboration of a "*facies model*" in carbonate systems (3h) has allowed to clarify some complexities of the geological structure at the Calabrian-Lucanian border. This non-specialist treatment will serve as an example to deepen the method of investigation proper to Geology (3h). The discussion on the epistemological foundations of geology will be stimulated, also starting from the experiences of the doctoral students. In addition, it will include an excursion on the coast of Maratea/Praia a Mare (6h) to visit spectacular outcrops along a platform-basin transect of the Upper Triassic with peculiar bioconstructed facies and understand its peculiar tectonic history.

**Prerequisites:** General knowledge of sedimentary geology