

Course Unit : Fieldtrip to Industrial Clay Deposits**Content****Fieldtrip to industrial clay deposits**

Visit to industrial clay deposits either in Milos Island or the Grevena prefecture, NW Greece) and outcrops of other types of industrial minerals (bentonites, solfatara type kaolins, perlites, pozzolanic materials, diatomites). Presentation of the mining methods used for extraction of clays.

Visit to Industrial Units

Visit to industrial units which extract industrial clays. The visit includes the beneficiation plants the processing and production units and the loading facilities as well as the quality control unit of the industry.

Roundtrip of Milos Island

If the field trip is held in Milos it will include a boat round tour of the island. Introduction to the volcanology and alteration patterns of Milos Island.

Learning

Familiarization with the industrial practice and processing units. Understanding of the industrial practice. Practical skills for recognition of industrial clays in the field. Recognition of alteration patterns which lead to the formation or/and modify the properties of industrial clays. Link between the small laboratory scale and the industrial scale. Comparison of the role of the geoscientist and the engineer in the industry.

Teaching Staff

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