

**POSTGRADUATE COURSE:**  
**APPLIED ENVIRONMENTAL GEOLOGY AND GEOPHYSICS**  
**(AEGGE)**

This course is designed to equip students with an advanced, interdisciplinary knowledge of applied geology (engineering geology, hydrogeology and geophysics) with special emphasis on techniques related to environmental protection and management (land and water pollution, urban planning and regional sustainable development, natural hazard mitigation) addressed with the use of remote sensing and GIS.

**Compulsory modules:**

- ✓ Ground water capacity of geological formations. Tutors: Dr. N. Labrakis, Dr. E. Zaggana
- ✓ Engineering Geology and infrastructure. Tutors: Dr. N. Sabatakakis, Dr. N. Depountis, Dr. G. Koukis
- ✓ MSc. Thesis. All tutors

**Elective modules:**

- ✓ Geotechnical investigations and studies. Tutors: Dr. N. Sabatakakis, Dr. N. Depountis, Dr. G. Koukis, Dr. G. Boukovalas
- ✓ Geophysics for engineering works and water resources. Tutors: Dr. E. Sokos
- ✓ Applications of Remote Sensing and GIS in Applied Environmental Geology. Tutors: Dr. K. Nikolakopoulos
- ✓ Geo-Hydrochemical processes - Water quality. Tutors: Dr. N. Labrakis, Dr. E. Zaggana
- ✓ Landslides and slope stability. Tutors: Dr. N. Sabatakakis, Dr. N. Depountis, Dr. K. Nikolakopoulos
- ✓ Specific seismological applications. Tutors: Dr. E. Sokos

**POSTGRADUATE STUDENTS**

Eleven post-graduate students are currently admitted to the Postgraduate Course entitled “Applied Environmental Geology and Geophysics” offered by the Sector of Applied Geology and Geophysics. All of them have chosen to undertake their MSc Thesis in topics covered in our Laboratories. The last decade 65 Master Thesis were conducted in our labs. Postgraduates from our Department are now faculty members in other Universities, and/or working in organizations and companies.