

GENERAL DESCRIPTION

Geotechnic Programme of Dokuz Eylul University have trained qualified technicians, especially in the ground survey in the Aegean region of an earthquake, ground improvement and the purpose of conducting scientific resource activities within the Dokuz Eylul University. This department was founded in 2000 in Torbali Vocational School. The programme is founded as Jeotechnic Programme and got its current name in 2009. Approximately 30 students are admitted each year. Our programme covers formal education and the education language is Turkish. Many of academic and laboratory studies conducted in our department, especially rock mechanics, soil mechanics, soil improvement and concentrate on field tests. Geotechnical designs and practical education in the fields of natural materials based on experiments and field tests is to train technicians.

KEY LEARNING OUTCOMES

1. Mathematics, science experiments and analytical information applies geotechnical.
2. Knows the basic concepts of Geotechnichs.
3. Knows the field sampling and storage conditions.
4. Used in the experiment of rock, soil and concrete testing standards and knows the general properties of materials.
5. Suitable experiments makes for the project, knows the management and operation of the laboratory.
6. Fits the experimental results and knows the importance of professional ethics rules.
7. Transmits the appropriate forms and makes a report of his experiments.
8. Job security, human health and environmental protection measures related to know and apply.
9. Use information technologies and communication tools.
10. Prone to teamwork, creative, easy to communicate with teams.

PROFILE OF THE PROGRAMME

Geotechnic Programme is objected to educate technicians who can serve in global scale in the light of universal values with the benefit of science, technology and personal developments, develop teaching materials with an accepted global proficiency, gain technical skills to technicians to identify and solve problems in geotechnic etudes, teach related laboratuary and in-situ test for the soil etudes reports, finally graduate dynamic technicians who have scientfic fundemental knowledge for geotechnical investigations and applications. Within this aim, the fundamental lectures are soil mechanic, structural mechanic, rock mechanic, Information of Topography and Geological Maps, Geology and Rock Information, drilling technique, hydrogeology. Within the scope of laboratuary based lectures, microstructural, physical and mechanical properties of rocks are taught in rock mechanic laboratuary, soil mechanic laboratuary, microscopy laboratuary and geology laboratuary Programme is performing enhancements and self evaluations under the scope of Bologna procedures.

Occupational Profiles of Graduates with Examples

Graduates of Programme of Geotechnic are employed in a wide range of positions in both the private and public sectors. Graduates work in private sector and government engineering projects especially mining, dams, tunnels, roads, airport, waste storage area and soil improvement projects. Graduates can work in related companies and foundations as a technician, researcher and saler.



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