



ESKİŞEHİR OSMANGAZI UNIVERSITY
GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES



GEOLOGICAL ENGINEERING DEPARTMENT MSc PROGRAMME LEARNING OUTCOMES

LO1	Ability to obtain necessary knowledge deeply through scientific investigation, ability to evaluate, conclude and apply this knowledge in geological engineering.
LO2	Having comprehensive knowledge about up-to-date technologies and methods and their limitations in engineering.
LO3	Ability to complete and apply the limited or insufficient data through scientific methods and ability to use together the knowledge of different disciplines.
LO4	Awareness of new and improving applications in geological engineering and the ability to learn and study on these applications.
LO5	Ability to define and formulate the problems related to geological engineering, ability to improve methods to solve these problems and ability to apply innovative methods for solutions.
LO6	Ability to develop new and/or original ideas and methods, ability to design complex systems and processes and develop innovative/alternative solutions in the designs.
LO7	Ability to design and apply the theoretical, experimental and modeling research activities and ability to discuss and solve the complex problems arisen in these processes.
LO8	Ability to study effectively in teams for in-discipline and interdisciplinary activities, ability to lead these teams, ability to develop useful problem-solving approaches in complex situations, and ability to have responsibilities and to study independently and individually in all cases.
LO9	Ability of written and oral communication using a foreign language sufficiently.
LO10	Ability to present properly, clearly and systematically all processes and results of their studies oral or in written form in all kinds of national and international media.
LO11	To have the knowledge of social, environmental, health, safety and legal aspects in engineering applications and the knowledge of project management and engineering activities, and awareness of all of their limitations in engineering operations.
LO12	Having the social, scientific and ethical responsibilities in all stages of collecting, interpreting and presenting the related data and in all professional activities.
LO13	Ability to necessity lifelong learning gaining in an advanced way.