



ESKİŞEHİR OSMANGAZİ UNIVERSITY
GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES

MINING ENGINEERING DEPARTMENT MSc PROGRAMME LEARNING OUTCOMES

LO1	Develop skills to exploit the fundamental knowledge of mathematics, science and engineering acquired during B.Sc. degree for advanced solution of problems in mining and mineral processing.
LO2	Demonstrate analytical skills at advanced level to identify, analyse, and solve engineering problems in mining and mineral processing applications.
LO3	Design and conduct theoretical and experimental studies, and analyse and interpret the data generated from these studies.
LO4	Develop and evaluate mining and minerals engineering processes and projects.
LO5	Independently conduct scientific and technical research on a topic, and present her/his findings through written technical reports and oral presentation.
LO6	Utilize modern engineering, computer modelling and simulation tools for development of mining and minerals engineering projects and processes, and solution of complex engineering problems.
LO7	Develop an understanding of global and social impacts of mining and mineral processing solutions, an awareness of the responsibilities for the exploitation of natural resources in most efficient and appropriate ways, and for professional codes of conduct and engineering ethics.
LO8	Comprehend the importance of life-long learning for professional development, follow new developments in mining and minerals engineering and effectively exploit information resources.
LO9	Work effectively as an individual, in teams and multidisciplinary settings.
LO10	Have theoretical and practical knowledge in mining and mineral processing at advanced level.