



ESKİŞEHİR OSMANGAZİ UNIVERSITY
GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES

METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT MSc PROGRAMME LEARNING OUTCOMES

LO1	Sufficient knowledge of engineering subjects related with mathematics, science and Metallurgical and Materials Engineering; an ability to apply theoretical and practical knowledge on solving and modeling of Metallurgical and Materials Engineering problems.
LO2	Ability to develop, select and use modern methods and tools required for Metallurgical and Materials Engineering applications; ability to effective usage of information technologies.
LO3	Ability to determine, define, formulate and solve complex Metallurgical and Materials Engineering problems; for that purpose an ability to select and use convenient analytical and experimental methods.
LO4	Ability to work effectively and professionally in inner or multi-disciplinary teams; proficiency of interdependence.
LO5	Designing ability of the complex system, process, equipment or product under the realistic constraints and conditions by developing the novel strategic approaches.
LO6	Self-confidence in dealing with the problems encountered in the engineering applications.
LO7	Ability of criticizing and proposing alternatives in the professional subjects.
LO8	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.
LO9	Ability to communicate in written and oral forms in Turkish/English; proficiency in at least one foreign language.
LO10	Ability of effective usage of the information technologies.
LO11	Understanding of professional and ethical issues and taking responsibility.
LO12	Ability to have strategy, politics and applications plans in the professional subjects and ability to evaluate obtained results in the framework of the quality processes.