



**ESKİŞEHİR OSMANGAZI UNIVERSITY**  
**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**



**METALLURGICAL AND MATERIALS ENGINEERING DEPARTMENT MSc PROGRAMME LEARNING OUTCOMES**

<b>LO1</b>	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.
<b>LO2</b>	Ability to develop, select and use modern methods and tools required for Metallurgical and Materials Engineering applications; ability to effective usage of information technologies.
<b>LO3</b>	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.
<b>LO4</b>	Ability to work effectively and professionally in inner or multi-disciplinary teams; proficiency of interdependence.
<b>LO5</b>	Designing ability of the complex system, process, equipment or product under the realistic constraints and conditions by developing the novel strategic approaches.
<b>LO6</b>	Self-confidence in dealing with the problems encountered in the engineering applications.
<b>LO7</b>	Ability of criticizing and proposing alternatives in the professional subjects.
<b>LO8</b>	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.
<b>LO9</b>	Ability to communicate in written and oral forms in Turkish/English; proficiency in at least one foreign language.
<b>LO10</b>	Ability of effective usage of the information technologies.
<b>LO11</b>	Understanding of professional and ethical issues and taking responsibility.
<b>LO12</b>	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.