



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



**METALLURGICAL ENGINEERING DEPARTMENT PhD PROGRAMME LEARNING OUTCOMES**

<b>LO1</b>	Ability to apply informations of maths, science and engineering.
<b>LO2</b>	Ability to access information in Metallurgical Engineering in a scientific manner in depth and in width as well as to assess, interpret and use the information obtained.
<b>LO3</b>	Detailed knowledge of the sate-of-the art techniques and methods applicable to the Metallurgical Engineering and their limitations.
<b>LO4</b>	Ability to designing, performing experiment, analyzing and interpreting the experiment results.
<b>LO5</b>	Awareness of the new and developing practices in Metallurgical Engineering and ability to study and learn such practices whenever needed.
<b>LO6</b>	Ability to recognize and formulate problems in Metallurgical Engineering and to develop methods to solve such problems utilizing innovative methods.
<b>LO7</b>	Ability to develop new or original ideas, to design complex systems or processes, and to come up with innovative/alternative solutions.
<b>LO8</b>	Ability to advanced design of a system, material or process in order to provide to desired requirement.
<b>LO9</b>	Ability to function effectively in multidisciplinary teams, to lead such teams and suggest solutions in such work environments; ability to work independently and take responsibility.
<b>LO10</b>	Ability to advanced proficiency of understanding impacts at global and social context of solution of Metallurgy Engineering
<b>LO11</b>	Ability to evaluate current scientific, technological, social, cultural and environmental developments; possession of scientific fairness and observation of ethical values and responsibility.
<b>LO12</b>	Ability to use at least one foreign language and to communicate and carry discussions in this language at the advanced level in written, oral or visual forms.
<b>LO13</b>	Ability to do a critical analysis, assessment and synthesis of the ideas and developments in the field of research.
<b>LO14</b>	Ability to present the academic works and their results in all kinds of respectable academic environments and publish them.