

BOĞAZIÇI UNIVERSITY
DEPARTMENT OF MECHANICAL ENGINEERING
ABET SURVEY

ME 212 Materials Science

Semester: _____

Thank you for your time and effort to respond to this survey. Your answers will be used to assess the outcomes of our Mechanical Engineering program.

For each item below, indicate your opinion by giving a score as shown on the right:

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	3	2	1

Level of Agreement

Strongly agree **Agree** **Disagree** **Strongly disagree**

Students who take this course

Course Learning Outcomes

		4	3	2	1
CLO 1	Derive the properties of pure elements and solid solutions from the crystal structure and the properties of the constituent atoms.	4	3	2	1
CLO 2	Develop an understanding of the mechanical properties of materials, and of the strengthening mechanisms used in modern materials design.	4	3	2	1
CLO 3	Develop a mastery of the fundamental concepts involved in diffusion (first and second Fick's Law of Diffusion)	4	3	2	1
CLO 4	Determine the phase composition and microstructure of a material from the processing history and the relevant phase diagrams.	4	3	2	1
CLO 5	Conduct experiments, analyze and interpret experiments to understand the microstructure and properties of materials.	4	3	2	1

Student Outcomes

		4	3	2	1
1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics	4	3	2	1
6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions	4	3	2	1

Please mark your attendance by shading percentage throughout the semester

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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0 - 25 - 50 - 75 -
25% 50% 75% 100%