

**BOĞAZIÇI UNIVERSITY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**ABET SURVEY**

**ME 335 Modeling and Control of Dynamic Systems**

**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

<b>CLO 1</b>	Derive the equations of motion of a dynamical system and represent the system as a transfer function in Laplace domain and State-Space form.	4	3	2	1
<b>CLO 2</b>	Design a feedback (feedforward) controller for a given system to make the system's output track the given reference signal.	4	3	2	1
<b>CLO 3</b>	Choose the parameter of the designed controller in order to meet the desired transient response.	4	3	2	1
<b>CLO 4</b>	Plot the root locus diagram and decide the closed loop stability for a varying parameter.	4	3	2	1
<b>CLO 5</b>	Plot the magnitude and phase Bode diagram of a plant and determine the frequency response of the system.	4	3	2	1
<b>CLO 6</b>	Plot the Nyquist diagram of a plant, decide the closed loop stability for a given control gain and the range of gain that maintains the closed loop stability.	4	3	2	1

Student Outcomes

<b>1</b>	Have an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics	4	3	2	1
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Please mark your attendance by shading percentage throughout the semester

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0 - 25%    25 - 50%    50 - 75%    75 - 100%