



**ANKARA UNIVERSITY**  
**Engineering Faculty**  
**Department of Electrical and Electronics Engineering**

**Syllabus for**  
**EEE 360 Control Systems Lab**

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<b>Faculty</b>	Engineering	<b>Department</b>	Electrical and Electronics Engineering
<b>Course Code &amp; Number</b>	EEE 360	<b>Course Title</b>	Control System Lab.
<b>Level of Course</b>	BSc	<b>Course Credit Hours / ECTS</b>	(4+0+0) 4 / 5 ECTS
<b>Time Schedule</b>			

<b>Text Book and Reference Books</b>	<p><i>Text Book:</i> Lecture Notes and Laboratory Notes R.C. Dorf and R.H.Bishop, "Modern Control Systems" 12<sup>th</sup> and 13<sup>th</sup> Edition, Prentice Hall, 2001.</p> <p><i>Reference Books:</i> 1) K. Ogata, "Modern Control Engineering" 3<sup>rd</sup> Edition, Prentice Hall, 1997 2) N.S. Nise, "Control Systems Engineering," 4th and 6th Edition, 2010 3) G.F.Franklin, J.D. Powell, A.E.-Naeni, "Feedback Control of Dynamic Systems" Prentice Hall, 2002. 4) K. Ogata, "Modern Control Engineering" 5th Edition, Prentice Hall, 2010 5) L. Levine, "The Control Handbook", CRC Press, 2005. 6)R.D. Strum and D.E. Kirk, "Contemporary Linear Systems using Matlab" Brooks/Cole, 2000.</p>
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<b>TENTATIVE COURSE OUTLINE</b>				
<b>Week</b>	<b>Day / Month</b>	<b>Topics</b>	<b>Textbook Reading</b>	<b>Assignments / Exams</b>
1	14.02	Introduction to Course		Homework and/or in class Assignments
2	21.02	Introduction to Lab Equipment		Homework and/or in class Assignments
3	28.02	Experiment: From Four Different Experimental set	Experiment-1	Homework and/or in class Assignments
4	06.03	Experiment: From Four Different Experimental set	Experiment-2	Homework and/or in class Assignments
5	13.03	Experiment: From Four Different Experimental set	Experiment-3	Homework and/or in class Assignments
6	20.03	Experiment: From Four Different Experimental set Makeup – If any	Experiment-4	Problem Solving
7	27.03	Recitation		
8		Midterm Week (Outline will be arranged based on exact date of the midterm)		
9	10.04	Experiment: From Four Different Experimental set	Experiment-5	Homework and/or in class Assignments
10	17.04	Experiment: From Four Different Experimental set	Experiment-6	Homework and/or in class Assignments
11	24.04	Holiday from Academic Calendar		Homework and/or in class Assignments
12	01.05	Holiday from Academic Calendar		Homework and/or in class Assignments
13	08.05	Experiment: From Four Different Experimental set Makeup – If any	Experiment-7	Homework and/or in class Assignments
14	15.05	Recitation		Homework and/or in class Assignments
<b>FINAL EXAMS WEEK, 27/05/2019-14/06/2019 (date and time to be announced later). *Recitation hours may be occupied to complete the planned curriculum</b>				

## COURSE ASSIGNMENTS

Please look at 'Rules' file for details

## COURSE POLICIES

### I. Attendance



Regular class attendance is expected for all students at the University. You are not required but advised to attend all classes.

Please sign the attendance sheet when you come to the class. Any false signatures will result in zero participation grades for all parties involved.

Your absence will not reduce your attendance rate *if and only if* you have a legitimate reason for missing a class (such as illness, death in family, a traffic accident, etc.). In case of an illness or emergency, you must supply a formal documentation that supports your claim.

### II. Make-up Exams

Make-ups for Midterm Exams will be available *if and only if* you have a legitimate reason for missing the exam (such as illness, death in family, a traffic accident, etc.). In case of an illness or emergency, you must supply a formal documentation that supports your claim.

### III. Late Submission Policy

Late submissions will not be graded. There will be **no make-up for quizzes, homeworks and any assignments**. Missed assignments, homeworks and quizzes will result in a grade of zero (0).

### IV. Cheating & Plagiarism

Collaboration is strongly encouraged; however, the work you hand in must be solely your own. Cheating and plagiarism are very serious offenses and will be penalized accordingly by the university disciplinary committee.

Cheating has a very broad description which can be summarized as "acting dishonestly". Some of the things that can be considered as cheating are the following:

- Copying answers on exams, projects and lab works,
- Using prohibited material on exams,
- Lying to gain any type of advantage in class,
- Providing false, modified or forged data in a report,
- Plagiarising (see below),
- Modifying graded material to be re-graded,
- Causing harm to colleagues by distributing false information about an exam, homework or lab.

All of the following are considered plagiarism:

- Turning in someone else's work as your own,
- Copying words or ideas from someone else without giving credit,
- Failing to put a quotation in quotation marks,
- Giving incorrect information about the source of a quotation,
- Changing words but copying the sentence structure of a source without giving credit,
- Copying so many words or ideas from a source that it makes up the majority of your work, whether you give credit or not.

([www.plagiarism.org](http://www.plagiarism.org))

### V. Equipment

Calculator and standard equipments (while paper, pencil, etc.) will be used during the quiz (in class assignment) and exams. The students are responsible from the equipment. Exchanging of equipment is not allowed among all of the activities (exam, in class assignment).

### VI. Disability Support

If you have a disabling condition which may interfere with your ability to successfully complete this course, please contact Assoc. Prof. Dr. Murat Efe (email: [efe@eng.ankara.edu.tr](mailto:efe@eng.ankara.edu.tr)) or Dr. Tolga Altinoz (email: [taltinoz@ankara.edu.tr](mailto:taltinoz@ankara.edu.tr)).

\*\*\* GOOD LUCK \*\*\*