

The University of Jordan
School of Engineering
Electrical Engineering Department
2nd Semester – A.Y. 2020/2021



Course: Selected Topics in Control – 0903549 (3 Cr. – Elective Course)

Instructor: Prof. Othman Smadi
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Office Hours: Will be posted soon

Course website: <http://elearning.ju.edu.jo/>

Catalog description: Modern subjects in control systems which educate students about modern digital and analog control systems and technologies, and the advantages of these systems, and their different applications.

Prerequisites by course: EE 0933441 Control Systems (pre-requisite)

Prerequisites by topic: Students are assumed to have a background in the following topics:
• Concepts of feedback and stability.
• State space representation and matrix theory.

Textbook: To be announced.

References:

1. To be announced.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

Schedule: 16 Weeks, 42 lectures (50 minutes each) plus exams.

Course goals: The overall objective is to introduce the student to new systems and technologies in the world of digitals and analog control systems. The subject matter can change from one semester to the next.

Course learning outcomes (CLO) and relation to ABET student outcomes (SO):

Upon successful completion of this course, a student will: **[SO]**
1. To be announced.

Course topics: **Hrs**
1. To be announced. **42**

Ground rules: Attendance is required and highly encouraged. To that end, attendance will be taken every lecture. Eating and drinking are not allowed during class, and cell phones must be set to silent mode. All exams (including the final exam) should be considered cumulative. Exams are closed book. No scratch paper is allowed. You will be held responsible for all reading material assigned, even if it is not explicitly covered in lecture notes.

Assessment & grading policy:	Assignments	0%	Quizzes	0%
	First Exam	30%	Projects	0%
	Midterm Exam	30%	Lab Reports	0%
	Final Exam	40%	Presentation	0%
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Last Revised: March 2021