



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

Course: Selected Topics in Communications & Electronics – 0943529 (3 Cr. – Elective Course)

Instructor: Prof. Mohammed Hawa

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Office Hours: Will be posted soon

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

Catalog description: Modern subjects in communication and/or electronics which educate students about new systems and technologies in the world of analog/digital communications or electronics working in the radio frequencies and microwaves, including the advantages of these systems. Radiators and antennas are also included.

Prerequisites by course: EE 0953421 Communications (I) (pre-requisite)

Prerequisites by topic: Students are assumed to have a background in the following topics:
• Analog and digital modulation and demodulation.
• Signal representation and analysis techniques.
• Electronics and semiconductor fundamentals.

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 analog/digital communications or electronics. 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