The University of Jordan School of Engineering Department of Mechatronics Engineering

2 Semester 2017/2018



Course Learning Outcomes and Relation to ABET Student Outcomes:

Upon successful completion of this course, a student should:

- 1. Recognize the role of engineering design and engineering analysis in economy and society
- 2. Appreciate the importance of multidisciplinary teamwork in engineering practice.
- 3. Understand the ethical and social responsibility of engineers.
- 4. Recognize the importance of written and oral communication in the engineering profession Recognize the need to engage in life-long learning
- 5. Know how to use Microsoft Word and Microsoft Project software
- 6. An ability to identify and solve engineering problems

Course Topics:	Chepter(s) in Text Hrs	
The History of Engineering	Chapter 1	2
Engineering Majors	Chapter 2	4
Profile of the Engineering Profession	Chapter 4	4
Succeeding in the Study of Engineering	Chapter 5	4
Problem Solving	Chapter 6	4
Computer Tools for Engineers	Chapter 7	2
Teamwork Skills	Chapter 8	4
Engineering Design	Chapter 9	2
Communication Skills	Chapter 10	2
Ethical Responsibility	Chapter 11	2

Students are expected to attend EVERY CLASS SESSION and they are responsible for all material, announcements, schedule changes, etc., discussed in class. The university policy regarding the attendance will be strictly adhered to.

<u>Make up Examinations</u>

There will be no makeup exams for any exam that will be taken during the course.

Exceptions to this rule is restricted only to the following cases:-

- 1. Death of only first order relatives (father, mother, sister, or brother).
- 2. Hospital entry (in-patient) during the time of the examination.

Any other cases will be given the zero mark in the corresponding exam.

Special Notes

1. Seating plan will be as given in the attendance sheet.

2. Students creativity is welcomed and will receive additional marks

Assessments: Exams, Quizzes, Projects, and Assignments.

Grading policy:

Project		15 %
Quizzes		10 %
Midterm Exam		25%
Final Exam		50 %
	Total	100%