



**MUTAH UNIVERSITY**  
**Faculty of Engineering**  
**Department of Civil and Environment Engineering**



**Course Syllabus**

Course Code	Course Name	Credits	Contact Hours
0403198	Engineering Drawing	2	2 T

INSTRUCTOR/COORDINATOR	
Name	Arch. Oraib Al Jaafreh
Email/Office	Oraibja @mutah.edu.jo
Office Hours	
Classroom/Time	

TEXTBOOK	
Title	" Engineering Design Graphics"
Author/Year/Edition	Earle, James H. Addison-Wesley publish in h Co, Eighth Ed., 1994.
Other Supplemental Materials	
Title	الرسم الهندسي
Author/Year/Edition	الور، فوزي، . دار الصفا للنشر والتوزيع، عمان

SPECIFIC COURSE INFORMATION
<b>A. Brief Description of the Content of the Course (Catalog Description)</b>
This course leads students to an understanding of engineering drawing, an essential means of communication in engineering, instruments, conventions and standards of engineering drawing, isometric, orthographic, sectional and assembly drawing of machine parts. This course leads students to an understanding of engineering drawing, an essential means of communication in engineering, instruments, conventions and standards of engineering drawing, isometric, orthographic, sectional and assembly drawing of machine parts.
<b>B. Pre-requisites (P) or Co-requisites (C)</b>
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<b>C. Course Type (Required or Elective)</b>
Required
<b>SPECIFIC GOALS</b>

<b>Course Learning Objectives (CLOs)</b>						
<b>CLO1:</b> Describe basics of engineering drawing [6].						
<b>CLO2:</b> Perform the tasks related to engineering drawing [6].						
<b>CLO3:</b> Ability to draw basic drawing objects on standard drawing sheets [6].						
<b>CLO4:</b> Prepare drawings of simple objects/structures [6].						
<b>B. Student Learning Outcomes (SOs) Addressed by the Course</b>						
1	2	3	4	5	6	7
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<b>BRIEF LIST OF TOPICS TO BE COVERED</b>		
List of Topics	No. of Weeks	Contact Hours
1- Introduction and importance of engineering drawing.	3	6
2- Lettering & Dimensioning.	2	4
3- Geometrical constructions.	2	4
4- Orthographic projection: First & Third angel.	2	4
5- Axonometric projections.	2	4
6- Section views.	3	6
<i>Total</i>	<i>14</i>	<i>28</i>

<b>EVALUATION</b>		
Assessment Tool	Due Date	Weight (%)
Mid Exam	According to the university calendar	20
Course Work (Homeworks, Quizzes, Projects, ...etc.)	One week after being assigned	40
Final Exam	According to the university calendar	40

### ABET's Students Learning Outcomes (Criterion #6)

<b>Relationship to program outcomes</b>	
ABET 1-7	<b>... Engineering Student Outcomes</b>
1.	an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2.	an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic
3.	ability to communicate effectively with a range of audiences
4.	an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5.	an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6.	√ an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7.	an ability to acquire and apply new knowledge as needed, using appropriate learning strategies