

Zarqa University

Faculty of Engineering

Department: Architecture

Course title: 0908226 - Computer drawing(1)



Prerequisite: 0908112

Instructor:

Lecture's time :

Semester:

Office Hours:

### Course description:

This course is concerned with an introduction to the general use in 2d Architectural drawing, that starts by theoretical explanation to the basic drawing through study all the commands and menus helped in the drawing process and the possibility to modify and edit the drawings to save and file management. And how AutoCAD (1) is basic and important for AutoCAD 2 and to other architectural programmes.

### Aims of the course:

- To follow up all the modern developments of techniques, skills, and modern engineering tools necessary for engineering practice.
- Understand and modeling 2d drawings and linked it with the project.
- Ability to achieve all the engineering drawings with Time, speed and high accuracy.

### Intended Learning Outcomes (ILOs):

1. Explain; identify the fundamentals, definitions and basics of AutoCAD "1".
2. Understand all the tools applications that were used in of AutoCAD "1".
3. Distinguish between the tools in AutoCAD "1".
4. Analyze, test the same output by using tools and commands in different Techniques.
5. Design; create models using tools and commands that were given in the course.

### Course structures:

Week	C. Hrs	ILOs	Topics	Teaching Procedure	Assessment methods
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14	84	1,2,3,4,5	<p>. Starting computer and opening Acad.</p> <p>Use and construct icons for drawing in Acad.</p> <p>SAVE, EDIT and start new drawings.</p> <p>Manage drawing using layers, colors and line types.</p> <p>Make basic geometric shapes.</p> <p>Complete basic cad drawing ,with borders ,text and dimension</p> <p>Edit drawings with ERASE, COPY; EXTEND, TRIM, MIRROR, UNDO, REDO and MOVE commands.</p> <p>Use ARRAY, modify and hatch.</p> <p>Use grid, Snap, and function keys.</p> <p>Plot drawings in A, B, C and D sizes to correct scales.</p> <p>Insert blocks, files, and raster images, into drawings.</p> <p>Create blocks.</p> <p>Use break, chamfer, fillet measure, divide, rotate, scale, lengthen and explode commands.</p> <p><b>Any New Commands could be added 😊</b></p>	Labs + data show	<p>Mid exam</p> <p>Home works</p> <p>Quiz</p> <p>Final Project</p>
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**References:**

- الرسم الهندسي باستخدام الحاسوب ( الاوتوكاد ) ، المهندس محمد القاضي وآخرون، جامعة البلقاء التطبيقية، مكتبة المجتمع العربي

**Assessment Methods:**

Methods	Grade	Date
Mid Exam	25%	To be determined by Examination committee
Homeworks	10%	To be determined
Quize	5%	It's a Quiz ☺
Project Submission	25%	13\01\2020
Final Exam	35%	To be determined by Examination committee

