



Course Syllabus

Lecture No. 1

Course Director: Dr. Ahmed Elastal
Arch. Fahed Baker
Arch. Nidal abu Mos

Instructor:
Monday. 14-09-2020 (11-12 am)

Course Syllabus



D'Amico Design Group

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Course description:

This course is an introduction to architectural design courses and covers the following topics:

- Teach a student how to draw and use of architectural symbols to express the idea and show the architectural drawings in different methods with drawing scale.



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- Study how to draw external and internal perspective, and highlight visualization techniques and simulations.
- Link between the visual training and the freehand sketch courses, where the students' sense of relationship and proportionality are improved.



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- Learn about the various methods of architectural presentation and applied to the exercises that the student is preparing in this course.



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Course aims:

This course aims to:

- Teaching different methods of architectural presentation using engineering expression methods, measurements and dimensions in the processing of the plans, facades (elevations) and sections, as well as making models. In addition to showing a small integrated project at the end of the course.



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- Giving students the ability to display architectural concepts and demonstrate different design projects by architectural drawing.



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Course outcomes:

- Understand and read architectural diagrams, elements and terms of architectural drawing.
- Acquire the skills of expressing architectural ideas and mastering the techniques of shadows and hatching in the architectural drawing.



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- Knowledge of the architectural design of a three-dimensional hologram, either by drawing the prism or by practically concretisation it with cardboard/wood.



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Course Schedule

Week no.	Lectures	Practical Assignments
Week 1	Architecture Symbols	Drawing architecture symbols, material hatches.
Week 2	Human Figures, Trees, and Vehicles	Drawing of human figures, trees, vehicles.
Week 3	Furniture	Drawing of residential furniture,
Week 4	Kitchens, Toilets	Drawing of kitchen, living, and dining space.
Week 5	Stairs, doors, and windows	Drawing of doors, windows, and a circular stair plan and sections.
Week 6	Architectural Plans	Drawing of complete residence plan.
Week 7		Mid project discussion
Week 8		Mid project submission
Week 9	Midterm Exam	
Week 10	Architectural Elevations	Drawing of Building Elevation



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Week 11	Architectural Sections	Drawing of multi-story building with basement.
Week 12	Landscape	Drawing of a house garden.
Week 13		Final project
Week 14		Final project
Week 15	Report submission	Final project
Week 16		Final project submission
Week 17	Final Exam	



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Course assessment

	Task	Mark
Mid tasks 40%	Theoretical: - Midterm Exam	10%
	Practical: - Exercises	20%
	- Mid project	10%
Final tasks 60%	Theoretical: - Report	5%
	- Final Exam	20%
	- Attendance	5%
	Practical: - Final project	25%
	- Attendance	5%
Total mark		100%



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Main References

Main References:

- Architectural Graphics - 6th edition, Francis Ching, Wiley, 2015
- Neufert Architect's Data, 3rd edition, Ernst & Peter Neufert, Wiley Blackwell, 2000

- الإظهار المعماري – محمد عبد الله – جمهورية مصر العربية – مكتبة الانجلو المصرية: <https://www.anglo-egyptian.com/ar/book.php?id=400>
- عناصر التصميم والانشاء المعماري - ربيع محمد نذير الحرسثاني - 2000
- التصميم المعماري - فاروق حيدر - 2000



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