



**DEPARTMENT OF ARCHITECTURE ENGINEERING
ARCHITECTURE ENGINEERING PROGRAM, BSC.**

Course Syllabus

1. Course number and name

AR 331 Working Drawings

2. Credits and contact hours

(2+2) 3 credit hours, 4 contact hours

3. Course type

Face to Face learning course

4. Instructor's or course coordinator's name

Arch. Mazen Al Nabulsi – Coordinator
Arch. Amani Sawalhah

5. Textbook information

Working Drawings Handbook, Keith Styles, Andrew Bichard, ISBN
9780750663724, 2004 by Routledge

a. Other supplemental materials

Instructor's notes

6. Specific course information

a. Catalog description

Architecture documents for licensing , working drawings as translation of design documents , sequence of deliverables , building details , working plans , sections , elevations , coordination with other specialties

b. Prerequisites or co-requisites

Prerequisite: AR 238

c. The course is:

Required in the Architecture Engineering program

7. Specific goals for the course

a. Intended Learning Outcomes:

After completion of the course, students are expected to be able to:

A. Knowledge and Understanding (student should):

A.1 Ability to use appropriate presentation techniques such as manual drawings



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and digital technological methods to reach the proper form for each phase in the design process

A.2 Ability to produce initial and comprehensive working plans

A.3 Ability to assess design decisions in terms of function, environment, Construction, and structure

B. The following student outcomes are addressed by the course Cognitive and Intellectual Skills:

B.1. Ability to design projects that assist to reuse and conserve natural or built resources that assist users and reduce environmental impact resulting from building construction and occupancy through providing means of processing carbon emissions. Environmental-friendly and energy saving design.

C. Subject specific skills:

C.1. Knowledge of techniques and skills that the architect uses to cooperate in designing a project, and construction, environmental, social, cultural, economic aspects in societies

8. Intended Learning Outcomes and their Alignment with Program learning Outcomes (PLO's) Methods of Delivery, and Assessment Methods:

Intended Learning Outcomes	Program	Method of Delivery	Assessment Method
A.1. Ability to use appropriate presentation techniques such as manual drawings and digital technological methods to reach the proper form for each phase in the design process	ARC-1.1.4.1	Lecture + Studio	Project: various stages of submission
A.2. Ability to produce initial and comprehensive working plans	ARC-1.1.4.2	Lectures	Project: various stages of submission
A.3. Ability to assess design decisions in terms of function, environment, construction, and structure	ARC-1.1.4.4		
B.1. Ability to design projects that assist to reuse and conserve natural or built resources that assist users and reduce	ARC-2.2.3.1	Lecture's studio work	Midterm + Final exams



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environmental impact resulting from building construction and occupancy through providing means of processing carbon Emissions. Environmental-friendly and Energy saving design.			And Project: design proposal
C.1. Knowledge of techniques and skills that the architect uses to cooperate in designing a project, and construction, environmental, social, cultural, economic aspects in societies	ARC-3.3.1.1		Project various stages of submission

9. Weekly Teaching Plan

Week No.	Lecture	Topic	Method of Delivery
1	Lec_1	Introduction to working drawings	Lecture
	Lec_2	<u>Stage 1: Release of project : small house designed by student</u>	Studio
2	Lec_3	Developing design documents	Studio
	Lec_4	Developing design documents	Studio
3	Lec_5	<u>Submission of plans</u>	Studio
	Lec_6	Developing design documents	Studio
4	Lec_7	<u>Stage 1 submission : Submission of all documents beginning of studio , plans , sections , two elevations , site plan</u> lecture on certain case study	Lecture
	Lec_8	Guest lecture on working drawings	Studio
5	Lec_9	<u>Stage 2 : working drawings of (plans , sections and two elevations , site plan)</u> Discussion of plans	Studio
	Lec_10	Discussion of sections	Studio
6	Lec_11	Discussion of site plan and elevations	Studio
	Lec_12	Continue discussion	Studio
7	Lec_13	Lecture of certain case study	Lecture
	Lec_14	<u>Submission of stage 2 : working drawings of (plans , sections , two elevations , site plan)</u> Revision and discussion of submission	Studio
8	Lec_15	Revision and discussion of students work	Studio
	Lec_16	<u>Revision and discussion of students work</u>	Studio



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		<u>Stage 3 release : developing the other two elevations , table of areas sheet , rainfall slope and miscellaneous</u>	
9	Lec_17	Holiday	
	Lec_18	Holiday	
10	Lec_19	Discussion of drawings	Studio
	Lec_20	Guest Lecture and visit	Lecture
11	Lec_21	Discussion of drawings , report	Studio
	Lec_22	Guest Lecture and visit	Lecture
12	Lec_23	<u>Stage 3 submission</u> <u>developing the other two elevations , table of areas sheet , rainfall slope and miscellaneous</u> <u>Discussion</u>	Studio
	Lec_24	Discussion	Studio
13	Lec_25	Discussion <u>Stage 4</u> <u>Details of certain and specific points of the house details</u>	Lecture
	Lec_26	Developing details	Studio
14	Lec_27	Developing details	Studio
	Lec_28	Developing details	Studio
15	Lec_29	<u>Final submission</u>	Studio
	Lec_30		Studio

1. Grade Distribution:

Assessment	Grade	Week No.
Stage 1 submission	10%	
Stage 2 submission	15%	
Stage 3 submission	15%	
Stage 4 submission	10%	
Report	10%	
Final submission	40%	

Note: Make-up exams will be offered for valid reasons. It may be different from regular exams in content and format.



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