



28 Course Specification of Architectural Drawing

I. Course Identification and General Information:					
1	Course Title:	Architectural Drawing			
2	Course Code & Number:	AE 121			
3	Credit hours:	C.H			Credit Hours
		Th.	Tu.	Pr.	Tr.
		1	2		
4	Study level/ semester at which this course is offered:	2 nd Level/ 2 nd semester			
5	Pre –requisite (if any):	1.Descriptive Geometry (PR 001) 2.Engineering Drawing (PR 008)			
6	Co –requisite (if any):	Non			
8	Program (s) in which the course is offered:	Civil Engineering			
9	Language of teaching the course:	English+ Arabic			
10	Location of teaching the course:	Studio			
11	Prepared By:	Dr. Samir Al Sirry			
12	Date of Approval				

II. Course Description:
<p>The course aims to enable students to read and understand architectural drawings through the identification of terms, symbols, architectural signs and recognize the architectural expressions by use engineering tools in architectural drawing: plans, sections and elevations mainly for small buildings.</p>

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III. Course Intended learning outcomes (CILOs) of the course		Referenced PILOs
a.1	Define the basic concepts of architecture drawing and describe the major architecture drawing plans view for engineering projects.	A2
a.2	Describe procedures to draw plan, elevation and side view for engineering projects.	A3
b.1	Explore sections of plan, elevation, or side view for different engineering projects.	B1
b.2	Explore the concepts and terminology of architecture drawing in engineering projects.	B3
c.1	Apply procedures to draw plan, elevation and side view for engineering projects.	C2
d.1	Communicate effectively using drawing skills.	D1

(A) Alignment Course Intended Learning Outcomes of Knowledge and Understanding to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
a1- Define the basic concepts of architecture drawing and describe the major architecture drawing plans view for engineering projects.	Lecture Case Studies Studio Works Demonstration Discussions Presentations	Assignment Work in Project assessment Presentations Drawing exam Participation
a2- Describe procedures to draw plan, elevation and side view for engineering projects.	Lecture Reading Case Studies Studio Works Individual Projects Demonstration	Assignment Work in Project assessment Presentations Drawing exam Participation

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(B) Alignment Course Intended Learning Outcomes of Intellectual Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
b1- Explore sections of plan, elevation, or side view for different engineering projects.	Lecture Studio Works Individual Projects Demonstration Discussions	Assignment Work in Project assessment Presentations Partial, total work assessment. Drawing exam
b2- Explore the concepts and terminology of architecture drawing in engineering projects.	Lecture Studio Works Individual Projects Demonstration Discussions	Assignment Work in Project assessment Presentations Partial, total work assessment. Drawing exam

C Alignment Course Intended Learning Outcomes of Professional and Practical Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
C1- Apply procedures to draw plan, elevation and side view for engineering projects.	Lecture Tutorial Case Studies Studio Works Individual group	Work in Project assessment Presentations Partial, total work assessment. Drawing exam Project Evaluation

(D) Alignment Course Intended Learning Outcomes of Transferable Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
d1- Communicate effectively using drawing skills.	Lecture Self-directed learning Individual Projects	Presentations Participation Project Evaluation

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	Presentation	
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IV. Course Content:					
A – Theoretical Aspect:					
Order	Units/Topics List	Learning Outcomes	Sub Topics List	Number of Weeks	contact hours
1	Introduction to architectural drawing	a1	Review related subjects.	1	1
2	Methods and ways to produce architectural drawing	a2, b1	Presentation Techniques, Symbols, Terminology, measurements and levels	2	2
3	Technical works related to the components of architectural engineering drawing	a.1, a.2, b1, b2, c1, d1	Plans, Elevations, Sections.	4	4
4	Technical works related to the components of architectural engineering drawing	a.1, a.2, b1, b2, c1, d1	Plans, Elevations, Sections.	4	4
5	Outdoor Facilities and Specific parts.	b1, c1, d1	Site plan, Details.	2	2
6	Classifications architectural drawing	a.1, b.1 d1	Sheets numbering.	1	1
Number of Weeks /and Units Per Semester				14	14

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B - Tutorial Aspect:				
Order	Tasks/ Experiments	Number of Weeks	contact hours	Learning Outcomes
1	Selection specific project	1	2	a1
2	Using drawing tools and draw different lines	1	2	a1 a2
3	Draw plan (Axes & Centers)	1	2	b1, b.2, c1, d1
4	Draw plan (Walls & Partitions)	2	4	b1, b.2, c1, d1
5	Draw plan (doors & Windows)	1	2	b1, b.2, c1, d1
6	Draw plan (Dimensions)	2	2	b1, b.2, c1, d1
7	Draw plan (Finishing's Tables)	1	2	b1, b.2, c1, d1
8	Draw plan (Symbols and signs)	1	2	b1, b.2, c1, d1
9	Draw Elevations	2	4	b1, b.2, c1, d1
10	Draw Sections	2	4	b1, b.2, c1, d1
Number of Weeks /and Units Per Semester		14	28	

V. Teaching strategies of the course:
Lecture Case Studies Studio Works Demonstration Discussions Presentations Individual Projects Self-directed learning Individual Projects Presentation Lecture

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VI. Assignments:				
No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	Drawings Plans	b1, b.2, c1, d1	3 - 9	30
2	Drawings elevations	b1, b.2, c1, d1	11	15
3	Drawings Sections	b1, b.2, c1, d1	14	15

VII. Schedule of Assessment Tasks for Students During the Semester:					
No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Assignments	3 – 9, 11 - 14	60	40 %	b1, b.2, c1,d1
2	Participation	1-14	15	10 %	
3	Mid-term exam	10	15	10 %	b1, b.2, c1
4	Final-exam	15	60	40 %	b1, b.2, c1

VIII. Learning Resources:	
<ul style="list-style-type: none"> Written in the following order: (Author - Year of publication – Title – Edition – Place of publication – Publisher). 	
1- Required Textbook(s) (maximum two).	
	1- Ching. Frank, “Architecture Graphic”, Jon Willy & Sons, New York, 2003. 2- Stanyer. P, “Drawing Techniques”, Arcturus Publishing Ltd, England, 2003.
2- Essential References.	
	1- منهجية الرسم المعماري – ترجمة جبور سمعان – دار قابس ، بيروت ، 1998م 2- سميرة الشاوش "الدليل الميسر في الرسم والتعبير المعماري"، دار الكتب الوطنية، صنعاء، اليمن، 2015م.
3- Electronic Materials and Web Sites etc.	

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IX. Course Policies:

1	Class Attendance: The students should have more than 75 % of attendance according to rules and regulations of the faculty.
2	Tardy: The students should respect the timing of attending the lectures. They should attend within 1 minutes from starting of the lecture.
3	Exam Attendance/Punctuality: The student should attend the exam on time. The punctuality should be implemented according to rules and regulations of the faculty for midterm exam and final exam.
4	Assignments & Projects: The assignment is given to the students after each chapter, the student has to submit all the assignments for checking on time.
5	Cheating: If any cheating occurred during the examination, the student is not allowed to continue and he/she has to face the examination committee for enquiries .
6	Plagiarism: The student will be terminated from the Faculty, if one student attends the exam on another behalf according to the policy, rules and regulations of the university.
7	Other policies: - All the teaching materials should be kept out the examination hall. - the mobile phone is not allowed. - There should be a respect between the student and his teacher.

Reviewed By	<u>Vice Dean for Academic Affairs and Post Graduate Studies</u> <u>Dr. Tarek A. Barakat</u> <u>Dr. Mohammad Algorafi</u>
	<u>Deputy Rector for Academic Affairs Dr. Ibrahim AlMutaa</u> <u>Dr. Ahmed mujahed</u> <u>Dr. Munaser Alsubri</u>

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Template for Course Plan (Syllabus) of Architectural Drawing

I. Information about Faculty Member Responsible for the Course:							
Name of Faculty Member	Dr. Samir Al Sirry	Office Hours					
Location& Telephone No.		SAT	SUN	MON	TUE	WED	THU
E-mail	Sirry67@gmail.com						

II. Course Identification and General Information:					
1	Course Title:	Architectural Drawing			
2-	Course Number & Code:	AE 121			
3-	Credit hours:	C.H			
		Th.	Tu.	Pr.	Tr.
		1	2		
4-	Study level/year at which this course is offered:	2 nd Level/ 2 nd semester			
5-	Pre –requisite (if any):	1.Descriptive Geometry (PR 001) 2.Engineering Drawing (PR 008)			
6-	Co –requisite (if any):	Non			
7-	Program (s) in which the course is offered	Civil Engineering			
8-	Language of teaching the course:	English+ Arabic			
9-	System of Study:	Regular			
10-	Mode of delivery:	Lecture			
11-	Location of teaching the course:	Class + Studio			

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III. Course Description:

The course aims to **enable students to** read and understand architectural drawings through the identification of terms, symbols, architectural signs and recognize the architectural expressions by use engineering tools in architectural drawing: plans, sections and elevations mainly for small buildings.

IV. Intended learning outcomes (ILOs) of the course:

- Brief summary of the knowledge or skill the course is intended to develop:**

- a.1** Define the basic concepts of architecture drawing and describe the major architecture drawing plans view for engineering projects. (A2)
- a.2** Describe procedures to draw plan, elevation and side view for engineering projects. (A3)
- b.1** Explore sections of plan, elevation, or side view for different engineering projects. (B1)
- b.2** Explore the concepts and terminology of architecture drawing in engineering projects. (B3)
- c.1** Apply procedures to draw plan, elevation and side view for engineering projects. (C2)
- d.1** Communicate effectively using drawing skills. (D1)

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V. Course Content:				
● Distribution of Semester Weekly Plan Of course Topics/Items and Activities.				
A – Theoretical Aspect:				
Order	Topics List	Sub Topics List	Week Due	Contact Hours
1	Introduction to architectural drawing	Review related subjects.	1	1
2	Methods and ways to produce architectural drawing	Presentation Techniques, Symbols, Terminology, measurements and levels	2,3	2
3	Technical works related to the components of architectural engineering drawing	Plans, Elevations, Sections.	4,5,6,7	4
4	Midterm Exam		8	1
5	Technical works related to the components of architectural engineering drawing	Plans, Elevations, Sections.	9,10,11,12	4
6	Outdoor Facilities and Specific parts.	Site plan, Details.	13,14	2
7	Classifications architectural drawing	Sheets numbering.	15	1
8	Final Exam		16	1
Number of Weeks /and Units Per Semester			16	16

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B - Tutorial Aspect:

Order	Topics List	Week Due	Contact Hours
1	Selection specific project	1	2
2	Using drawing tools and draw different lines	2	2
3	Draw plan (Axes & Centers)	3	2
4	Draw plan (Walls & Partitions)	4,5	4
5	Draw plan (doors & Windows)	6	2
6	Draw plan (Dimensions)	7,8	4
7	Draw plan (Finishing's Tables)	9	2
8	Draw plan (Symbols and signs)	10	2
9	Draw Elevations	11,12	4
10	Draw Sections	13,14	4
Number of Weeks /and Units Per Semester		14	28

VI. Teaching strategies of the course:

Lecture
Case Studies
Studio Works
Demonstration
Discussions
Presentations
Individual Projects
Self-directed learning
Individual Projects
Presentation Lecture

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VIII. Schedule of Assessment Tasks for Students During the Semester:

Assessment	Type of Assessment Tasks	Week Due	Mark	Proportion of Final Assessment
1	Assignments	3 – 9, 11 - 14	60	40 %
2	Participation	1-14	15	10 %
3	Mid-term exam	10	15	10 %
4	Final-exam	15	60	40 %

IX. Learning Resources:

• Written in the following order: (Author – Year of publication – Title – Edition – Place of publication – Publisher).

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