



Course Specifications

Course Title:	Façades design studio
Course Code:	511AAD- 4
Program:	Bachelor in Applied Arts.
Department:	Applied Arts
College:	Faculty of Architecture and Design
Institution:	Jazan University

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A. Course Identification

1. Credit hours: 4 hours (4 studio).
2. Course type a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/> b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: Level 9/5 th Year
4. Pre-requisites for this course (if any): 421 AAD- 4
5. Co-requisites for this course (if any): None

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	8 hours	100%
2	Blended	-	0%
3	E-learning	-	0%
4	Correspondence	-	0%
5	Other	-	0%

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	0
2	Laboratory/Studio	8×15= 120
3	Tutorial	0
4	Others (specify) 1 Final Examination (practical)- 4 hours)	4
	Total	124
Other Learning Hours*		
1	Study	4×15=60
2	Assignments Continues assessments (4 hour) 1 Midterm Examination (4 hour) 1 Final Examination (Practical - 4 hour)	12
3	Library Research for designs (1h 30 minutes)	1.5 hours
4	Projects/Research Essays/Theses (1 hour)	1
5	Others (specify)	0
	Total	198.5 198.5/40=4.96

* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description

- The course focuses on the requirements and elements of the design and assembly of architectural metal facades by presenting a design problem through the acquisition of a number of design skills that are exercised through the design and analysis of the projects being proposed.

2. Course Main Objective

- After this course the student is expected to be able to analyze the metal facades to its basic elements, to classify the metal facade systems, to employ design projects for metal facades, to evaluate the construction system used in the metal facades in terms of preparation, construction, size and internal structure.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	Describe materials used in exterior facades.	K1
1.2	Display information and images of previous external interfaces for actual projects.	K2
1.3	Classify internal wall cladding techniques.	K1
1.4	List the materials used in interior finishes.	K2
2	Skills :	
2.1	Analyze different forms of exterior interfaces.	S1
2.2	Illustrate new forms of facades and colors through materials and techniques.	S2
2.3	Create new and innovative ideas for the internal facades of the facility.	S3
2.4	Innovative technical relationships are developed between duplicate units.	S3
3	Competence:	
3.1	Cooperate in the exchange of information, drawings and previous ideas about the external facades and interior decorations and their combinations with other bodies.	C1
3.2	Look for information and previous designs related to facades and interior finishes.	C3
3.3	Draw projections and sections for the external facade and coatings, suggests dimensions and sets data.	C5
3.4	Appear elements of projects of the exterior and interior facades in color, shade, light, vacuum, drilling, techniques and materials.	C4

C. Course Content

No	List of Topics	Contact Hours
1	Introduction of course , its objectives and calendar to study plan.	4
2	Project (1): designing exterior metal and non metal façade, cladding to commercial institution- information collection- creating sketches- selecting one or more ideas to study it.	28
3	Drawing work, 2D, elevation, sections, 3D and industrial details (shop drawing).	12
4	Presenting design with color, material, light and others, as an object or electronic model.	20
5	Project (2): cladding design of interior walls to commercial institution-	20

	information collection- creating sketches- selecting one or more ideas to study it.	
6	Drawings preparation, 2D, elevation, sections, 3D and industrial details (shop drawing).	4
7	Presenting design by using colors, material, light and others, as an object or electronic model.	12
8	Finishing the project (1), presentation and review.	8
9	Finishing the project (2), presentation and review.	4
10	Discussion and Evaluation.	8
Total		

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge		
1.1	Describe materials used in exterior facades.	<ul style="list-style-type: none"> - Lectures. - Discussions. - Field visits. 	<ul style="list-style-type: none"> - direct method (Objective test) by Test specification table - indirect method Course LO survey
1.2	Display information and images of previous external interfaces for actual projects.		
1.3	Classify Internal wall cladding techniques.		
1.4	List the materials used in interior finishes.		
2.0	Skills		
2.1	Analyze different forms of exterior interfaces.	<ul style="list-style-type: none"> - Studio practice. - Brainstorming. - Self-education - Field visits. - Practical. 	<ul style="list-style-type: none"> - direct method (Objective test) by Test specification table - indirect method Course LO survey
2.2	Illustrate new forms of facades and colors through materials and techniques.		
2.3	Create new and innovative ideas for the internal facades of the facility.		
2.4	Innovative technical relationships are developed between duplicate units.		
3.0	Competence		
3.1	Cooperate in the exchange of information, drawings and previous ideas about the external facades and interior decorations and their combinations with other bodies.	<ul style="list-style-type: none"> - Presentations. - Cooperative education. 	<ul style="list-style-type: none"> - direct method (Objective test) by Test specification table - indirect method Course LO survey
3.2	Look for information and previous designs related to facades and interior finishes.		
3.3	Draw projections and sections for the external facade and coatings, suggests dimensions and sets data.		
3.4	Appear elements of projects of the exterior and interior facades in color, shade, light, vacuum, drilling, techniques and materials.		

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Project (1) and evaluation- semester work (presentation for Continue Information, sketches, shop drawing, final design)	2-6	10%
2	Midterm exam.	7	20%
3	Continue Project (2) and evaluation- semester work (presentations for Information, sketches, shop drawing, final design)	8-12	10%
4	Committee evaluation for project (1) and project (2)	13	20%
5	Final exam.	End of the Semester	40%
6	Total		100%

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

- Individual consultation and academic advice is supposed to allocate a minimum of 6 hour per week.
- Tutorial for week students is supposed to allocate a minimum of 4 hour per week.

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	- Harington, W. C. & Mickadeit, R. E: Building Construction Materials and types of construction- New York.
Essential References Materials	- Lang, Jon "The Role of Behavioral Sciences in Environmental Design" New York: Van Nostrand Reinhold. - Strike. J, : "The influence of new methods of construction on Architectural", London. - Guise, D: Design and Technology in Architecture" VNR. - Siegel, C: "Structure and form in modern Architecture", Robert E Krieger. - Allen, E: "The Architect s Studio Companion", John Willey & Son. - Bovill, C: "Integration of Structural and Environ.
Electronic Materials	https://www.facebook.com/Saudi.Bond http://umbrellas-apterkar.com/الكلادينج https://detectingwaterleaks-waterproofing.com/الومنيوم-واجهات-الومنيوم.php www.kenanaonline.net www.almotaheda-sm.com/site/showservice/9 https://www.homify.ae/ideabooks/.../10/10-واجهت-منزلك-تبدو-را-10
Other Learning Materials	AutoCAD program Sketch up program

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classroom for group of 15 students (15 engineering drawing tables+ 15 chairs).
Technology Resources (AV, data show, Smart Board, software, etc.)	- 1 Projector. - 1 White board. - 1 Internet access.
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	None.

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods	
		indirect method	direct method
Effectiveness of teaching and assessment	Students	On line system course survey	
	Peer Reviewer or Head of Department		Peer OR Head of Department observation
Quality of learning resources	Students	On line system course survey	
	Peer Reviewer or Head of Department		Peer OR Head of Department Assessment
Achievement of course learning outcomes	Students	Course LO survey	
	Program Assessment Committee		Theoretical and practical tests According to Test specification table

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	
Reference No.	
Date	