Form:	Form Number	EXC-01-02-02A
Course Syllabus	Issue Number and Date	2/3/24/2022/2963 05/12/2022
	Number and Date of Revision or Modification	
	Deans Council Approval Decision Number	2/3/24/2023
	The Date of the Deans Council Approval Decision	23/01/2023
	Number of Pages	06

1.	Course Title	Communication Architectural skills
2.	Course Number	0932213
3.	Credit Hours (Theory, Practical)	2
	Contact Hours (Theory, Practical)	2 hours Studio
4.	Prerequisites/ Corequisites	0902115
5.	Program Title	Architecture engineering
6.	Program Code	2
7.	School/ Center	Engineering
8.	Department	Architecture engineering
9.	Course Level	2
10.	Year of Study and Semester (s)	Second Year/ Second semester
11.	Other Department(s) Involved in Teaching the Course	
12.	Main Learning Language	Arabic & English
13.	Learning Types	Blended
14.	Online Platforms(s)	☐Moodle ☐Microsoft Teams
15.	Issuing Date	March 2025
16.	Revision Date	March 2025

17. Course Coordinator:

Name: Hasan ISAWI	Contact hours: Sunday and Tuesday from 12:30 PM to 1:30 PM
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18. Other Instructors:

Name:
Office number:
Phone number:
Email:
Contact hours:
Name:
Office number:
Phone number:
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19. Course Description:

As stated in the approved study plan. This course seeks to involve various manual and digital, 2d and 3d drawing techniques, (including material modeling) to manipulate and represent architectural space

20. Program Intended Learning Outcomes: (To be used in designing the matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program)

1. Develop an intellectual base of knowledge in architecture's historical, theoretical, practical, and technological aspects and understand the interaction with allied disciplines such as engineering, mathematics, and arts.

2. Identify and analyze architectural problems using critical thinking skills, and synthesize innovative, sustainable, and contextually appropriate architectural solutions that incorporate skills developed from core to advanced design coursework.

3. Design sustainable and user-centered solutions to meet specified public health, safety, and welfare requirements, while considering and responding to cultural, social, environmental, and technological factors across various scales and complexity levels.

4. Demonstrate proficiency in applying and developing architectural skills, techniques, tools, and technological advancements necessary for effective and innovative architectural practice.

5. Communicate and collaborate effectively with a wide range of audiences to carefully receive and eloquently deliver ideas through various communication methods.

6. Adhere to ethical, legal, and professional standards and responsibilities in architectural practice, and demonstrate an understanding of the architect's role in society.

7. Employ architectural research methods and critical thinking skills to assess and propose sustainable built environment solutions, and demonstrate commitment to lifelong learning and continuous development.

21. Course Intended Learning Outcomes: (Upon completion of the course, the student will be able to achieve the following intended learning outcomes)

1. Develop proficiency in manual and digital 2D/3D drawing techniques to represent architectural ideas clearly and technically.
2. Apply principles of perspective, shadow theory, and digital tools to create accurate architectural visualizations.
3. Utilize software such as AutoCAD and Adobe Photoshop to produce technical drawings, models, and presentations.
4. Create realistic digital scenes from freehand sketches, integrating environmental and contextual factors.
5. Design professional portfolios and layouts to effectively communicate architectural concepts.
6. Analyze photographs using perspective restitution techniques to determine building proportions for precise documentation.

Course ILOs	The learning levels to be achieved					
	Remembering	Understanding	Applying	Analysing	evaluating	Creating

1- Develop proficiency in manual and digital 2D/3D drawing techniques for architectural representation.	✓	✓	✓			✓
2- Master fundamental skills in perspective and shadow theory, and their digital application.	✓	✓	✓			✓
3- Utilize software like Adobe Photoshop and AutoCAD for architectural drawings and presentations.	✓	✓	✓			✓
4- Create realistic digital perspective scenes from freehand sketches.		✓	✓			✓
5- Enhance visual presentation skills, including portfolio and layout design.	✓	✓	✓			✓
6- Apply perspective restitution techniques to determine building		✓	✓	✓		

proportions from photographs.						

Reasoning for the Mapping:

- Remembering: Basic knowledge of software tools, perspective principles, and technical standards (A.1, B.4).
- Understanding: Grasping perspective theory, digital workflows, and design principles (A.1, A.4, B.4).
- Applying: Executing technical drawings and digital models using industry-standard tools (A.1, B.4).
- Analyzing: Deriving architectural data from photos via perspective restitution (B.4, C.3).
- Creating: Generating technical documentation, integrative designs, and portfolios (A.1, B.4, C.3).

22. The matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program:

Program ILOs / Course ILOs	ILO (1)= **A.1**	ILO (2)= **A.4**	ILO (3)= **B.4**	ILO (4)= **C.3**	ILO (5)
1	✓	✓	✓		
2		✓	✓		
3	✓		✓		
4			✓	✓	
5	✓			✓	
6			✓	✓	
7					
8					

23. NAAB Student Performance Criteria (SPC)

This course contributes to the following NAAB learning outcomes:

1. A.1 Professional Communication Skills (Ability):
   Ability to write and speak effectively and use appropriate representational media for both, within the profession and with the public.

2. A.4 Architectural Design Skills (Ability):
   Ability to effectively use basic formal, organizational, and environmental principles and the capacity of each to inform two- and three-dimensional design.
3. B.4 Technical Documentation (Ability):
   Ability to make technically clear drawings, prepare outline specifications, and construct models illustrating and identifying the assembly of materials, systems, and components appropriate for a building design.
4. C.3 Integrative Design (Ability):
   Ability to make design decisions within a complex architecture project while demonstrating broad integration and consideration of environmental stewardship, technical documentation, accessibility, site conditions, life safety, environmental systems, structural systems, and building envelope systems and assemblies.

24. Topic Outline and Schedule:

Week	Lecture	Topic	Teaching Methods*/platform	Evaluation Methods**	References
1	1	Digital retouch of a freehand sketch: one point perspective	online meeting		https://architectural-communication-skills.blogspot.com/2020/01/1-digital-retouch-of-freehand-sketch.html
	2	digital retouching of a two-point perspective	Synchronous lecturing/meeting;	Homework	https://architectural-communication-skills.blogspot.com/2020/02/2-digital-retouching-of-two-point.html
2	3	"digital retouching of a "Three Point Perspective. bottom view	Asynchronous lecturing/	Homework	https://architectural-communication-skills.blogspot.com/2021/03/blog-post.html
	4	"digital retouching of a "Three Point view from above	Real meeting	drawings in the laboratory	https://architectural-communication-skills.blogspot.com/2021/03/4.html
3	5	a horizontal perspective	Synchronous lecturing/meeting;	Homework	reference drawings on the blog
	6	the creation of a 3d environment	Asynchronous lecturing/	Homework	https://architectural-communication-

		that reflects your psychological state in this exceptional period			skills.blogspot.com/2021/04/6.html
3	7	add two floors above the volumes shown in the picture, provided that the geometric pattern shown in the same volumes is repeated, but in a simplified manner.	Real meeting	drawings in the laboratory	https://architectural-communication-skills.blogspot.com/2021/04/blog-post.html
	8	Midterm exam	Synchronous lecturing/meeting;		https://architectural-communication-skills.blogspot.com/2021/04/1.html
4	9	Geometric restitution of perspective	Asynchronous lecturing/	Homework	https://architectural-communication-skills.blogspot.com/2021/04/7-geometric-restitution-of-perspective.html
	10	Modern Intervention to Historic Architecture	Real meeting	drawings in the laboratory	https://architectural-communication-skills.blogspot.com/2021/04/8-modern-intervention-to-historic.html
5	11	retouching An aerial photo	Synchronous lecturing/meeting;	Homework	https://architectural-communication-skills.blogspot.com/2021/05/9-retouching-aerial-photo.html
	12	Improve a dramatic scene in jerusalem palestine	Real meeting	drawings in the laboratory	https://architectural-communication-skills.blogspot.com/2021/05/10-improve-

					dramatic-scene-in-jerusalem.html
6	13	interior Perspective	Synchronous lecturing/meeting;	Homework	
	5.3		Asynchronous lecturing/	Homework	
	6.1		Real meeting	drawings in the laboratory	
7	6.2		Synchronous lecturing/meeting;	Homework	
	6.3		Asynchronous lecturing/	Homework	
8	7.1	dwg 18	Real meeting	drawings in the laboratory	
	7.2		Synchronous lecturing/meeting;	Homework	
	7.3		Asynchronous lecturing/	Homework	
8	8.1	shadows in orthographic projections and perspective	Real meeting	drawings in the laboratory	
	8.2		Synchronous lecturing/meeting;	Homework	
9	8.3	Shade and Shadow	Asynchronous lecturing/	Homework	
		final exam test			

25. Evaluation Methods:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Evaluation Activity	Mark	Topic(s)	ILO/s Linked to the Evaluation activity	Period (Week)	Platform

Weekly exercises	20%	Various drawing techniques, perspective, 3D environment creation, geometric restitution, etc.	1, 2, 3, 4	Weeks 1-7, 9-13	Online meetings, Synchronous/Asynchronous lecturing, Real meetings/Lab work
Midterm Exam	30%	Covers topics from the first half of the course	1, 2, 3,	Week 8	Synchronous lecturing/meeting
	50%	Covers topics from the entire course	1, 2, 3, 4, 5, 6	Week 14	Test

26. Course Requirements:

(e.g.: students should have a computer, internet connection, webcam, account on a specific software/platform…etc.):

27. Course Policies:

A- Attendance policies:

- Attendance for lecture and studio is mandatory. Attendance will be taken on every lecture and in studio throughout the semester.
- If you must miss a class meeting, contact your tutor and explain the reason for your absence, or contact your tutor upon your return to determine what work you missed.
- Work will take place in the studio
- You are expected to work on assigned projects during class time, even if you are not directly engaged with your tutor.
- An absence of more than 15% of all the number of classes, which is equivalent of (3) classes, requires that the student provides an official excuse to the instructor and the dean.
    - If the excuse was accepted the student is required to withdraw from the module.

If the excuse was rejected the student will fail the module and mark of zero will be assigned as stated in the laws and regulations

B- Absences from exams and submitting assignments on time:

- For weekly exercises: one day late lose 30%, 2-3 days late students lose 50%, more is not accepted unless the student has an accepted excuse.
- Final exam, make-up exams will be arranged if justifications for missing the exam satisfy the above. It is the student's responsibility to provide an excuse for the absence within three days to schedule a make-up session; otherwise, the recorded score for that exam for the student will be a zero.

C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehavior:

- Students are expected to observe all University guidelines pertaining to academic misconduct.
- Students should show all sketches he/she went through to achieve the final design

E- Grading policy:

- Weekly Exercises (30 %)
- Midterm Exam (20%)
- Final Exam (50%)

F- Available university services that support achievement in the course:

- studios, ,data show, hanging boards, Jury Hall

28. References:

A- Required book(s), assigned reading and audio-visuals:

- **Perspective:**
  - *The Perspective Drawing Handbook* by Joseph D'Amelio https://ia600406.us.archive.org/26/items/PerspectiveDrawing/PerspectiveDrawing.pdf
- **Digital Drawing:**
- Digital Drawing for Landscape Architecture" (Cantrell & Michaels) - Focus on digital techniques applicable to architectural representation.
- **Photoshop:**
  - *Adobe Photoshop Classroom in a Book* (latest edition) by Adobe Creative Team

Online Resources:

- **Tutorials:** YouTube channels for perspective, AutoCAD, and Photoshop
- **Blogs:** Your blog is a key resource; supplement with other architecture/design blogs https://www.blogger.com/blog/posts/1641665370479493845

29. Additional information:

- This course utilizes a blended learning approach, combining synchronous online meetings, asynchronous learning activities, and real-time sessions in a laboratory setting.
- All exercises and demonstrations are recorded and available to students as video tutorials.
- The instructor provides supplementary materials and resources through a dedicated blog: https://architectural-communication-skills.blogspot.com/

Name of the Instructor or the Course Coordinator: Hasan ISAWI	Signature: ……	Date: March 2025
Name of the Head of Quality Assurance Committee/ Department ……	Signature: ……	Date: ……
Name of the Head of Department ……	Signature: ……	Date: ……
Name of the Head of Quality Assurance Committee/ School or Center ……	Signature: ……	Date: ……
Name of the Dean or the Director ……	Signature: ……	Date: ……