



وحدة ضمان الجودة



وزارة التعليم العالي
المعهد العالي للهندسة والتكنولوجيا بالمنزلة
منشأ بالقرار الوزاري رقم (2354) لسنة 2019

Engineering Mathematics (1+2) course Report

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Basic science department

A. Basic Information: -

1. Course title:	Engineering Mathematics (1) Engineering Mathematics (2)	Course code:	BS011 BS021		
2. Program Name:	Architectural Engineering Program				
3. Academic year	Preparatory year	Semester	1 st semester 2 nd semester		
4. Number of weekly contact hours:					
Lecture	Tut./Lab.	Total contact			
2	2	4			
5. The system followed for selecting the examination committee	The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.				
6. External evaluation of the exam:	[✓] Applied [] Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"				
7. Names of professors/ lecturers contributing in course	1. Dr. Hamouda Abu El Dahab. 2. Eng. Emira Essam. 3. Eng. Nancy Khaled.				

B. Statistical Information: -

1. Statistics

- No. of students starting the course	126
- No. of students attending the course	122



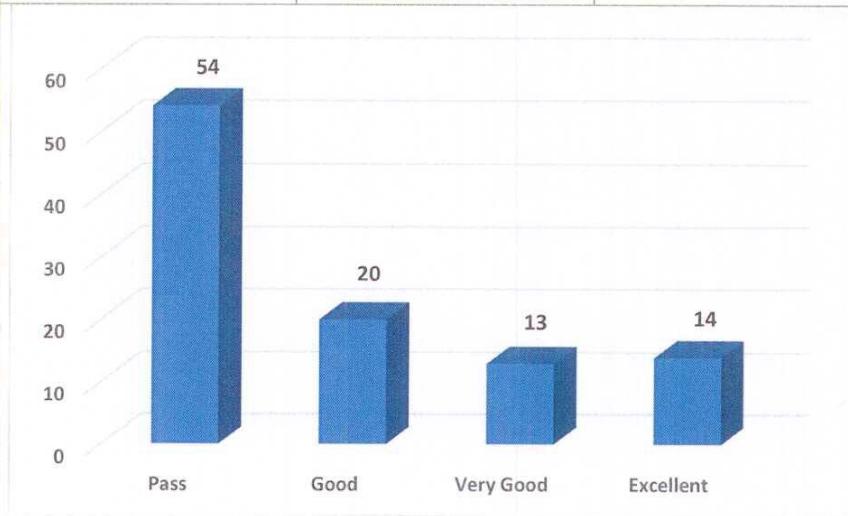
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- Results	No. of Passed Students	101	Percentage (%)	82.8%
	No. of Failed Students	21	Percentage (%)	17.2%

4. Grading of students passing the course:

Pass	Good	Very Good	Excellent
54	20	13	14



Comments:

According to this graph 101 students were succeeded and 47 students have a "Good" grade or above. The distribution shows a very high concentration of scores in the "Pass" category, with a significant drop in the number of scores as we move towards the "Good," "Very Good," and "Excellent" categories. The "Excellent" category has the fewest scores



	among the four categories. The "Good" category is significantly lower than the number of scores in the "Pass" category. This distribution is heavily skewed towards the "Pass" category and does not follow a normal distribution pattern, as it is not symmetrical.
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2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week		
		Tut./lab	lecture	Total
1-2	Revision in the basic definitions of mathematics. Function Concept and classification.	4	4	8
3-4	Limits - limits theorem. Continuity.	4	4	8
5	Elementary Functions (Trigonometric, logarithmic, Exponential, Hyperbolic and its inverse functions)	2	2	4
6	Derivation, derivation rules - First function derivations, higher order derivation, Explicit Differentiation and parametric differentiation.	2	2	4
7	Binomial theorem.	2	2	4



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8	Theory of equations	2	2	4
9	Mid Term			
10	Partial fractions.	2	2	4
11	Complex numbers.	2	2	4
12	Determinates and solving linear system.	2	2	4
13	Matrices concept, operation on matrices, Inverse of matrix. Applications on the differentiation integration theorem and properties.	2	2	4
14	Final Exam			

Week	Topics	No. of hr/week		
		Tut./lab	lecture	Total
1 - 2	Revision on differentiation rules. Integration rules.	4	4	8
3 - 4	Integration methods: Integration of Inverse Trigonometric Functions, Integration by Partial Fractions, Integration by Completing Square.	4	4	8
5 - 6	Integration by Parts, Integration by Substitution.	4	4	8
7	Definite Integral and its properties - higher and lower Riemann.	2	2	4
8	Definite Integral and its properties - higher and lower Riemann.	2	2	4
9	Mid Term Exam			
10	Area Between Under the Curve, Area Between Two Curves.	2	2	4
11	Analytical Geometry: Coordinates, Straight Line in 2D.	2	2	4
12	Follow Straight Line in 2D, Circle. - Conic Sections.	2	2	4
13	3D Coordinates, Change the Origin (Moving), Straight line in 3D, Plane, Sphere. second order equations equation of a pair of straight lines.	2	2	4
14	Final Exam			



- Percentage of actually given course content:	96%					
- Untaught topics	Matrices concept, operation on matrices, Inverse of matrix.					
- extent of instructors' commitment to the course content	✓	> 85%	60 – 84%			< 60%
-Percentage of contents covered in the exam	✓	> 85%	60 – 84%			< 60%
- Teaching and learning methods: -	Face to face lecture Presentation Tutorial / Exercise Research and reporting					
- Student assessment: -	Quizzes (6%) Reports (2%) Sheets (4%) Mid-term Exam (18%) Attendance (10%) Final written exam (60%)					
3. The available teaching resources						
- Scientific References	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available					
- Helping tools	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available					
- Supplies and materials	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available					
4. Administrative constraints	Not exist					



5. Results of course evaluation by students:	<p>Satisfied to some extent with total percentage equal [81.35%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [84.3%] - Staff → [85.25%] - Available resources → [82.45%] - Student assessment methods → [82.6%] - Co-Staff (1) → [83%] - Co-Staff (2) → [70.3%] 				
6. Suggestions for course enhancement:	<ul style="list-style-type: none"> • Link math to real-life problems. • Working together on a problem. • Brainstorming to open up a new unseen theorem or method. 				
7. External evaluator's comments:	No Comment				
8. Achieved actions from previous year	<ul style="list-style-type: none"> • Place the separate components of a mathematical method or proof using labels, colors or visual shapes and then bring them together to form the final result. • Ask students to teach a proof or algorithm to a friend. 				
9. non-achieved actions from previous year	Develop a lesson on a curriculum topic with guidance from a science or mathematics expert and a pedagogy expert to draw out the key concepts with everyday examples.				
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	Develop a lesson on a curriculum topic with guidance from a science or mathematics expert and a pedagogy expert to draw	Course coordinator	2024-2025	--



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		out the key concepts with everyday examples.			
2.	Teaching	More solved problems with the Exercises.	Course coordinator	2024-2025	--

	Name	Signature
Course coordinator:	Dr. Hamouda Abu El Dahab.	
Program coordinator:	Prof. Dr. Ali Samir	
Head of Department:	Prof. Dr. Ali Samir	
Dean:	Prof. Dr. Atteia Aref	
Date	September 2024	



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Engineering physics (1)+(2) course Report

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Basic science department

A. Basic Information: -

1. Course title:	Physics (1)	Course code:	BS012
	Physics (2)	Course code:	BS016
2. Program Name:		Architectural Engineering Program	
3. Academic year	Preparatory year	Semester	1 st semester 1 nd semester
4. Number of weekly contact hours:			
Lecture	Tut./Lab.	Total contact	
2	2	4	
5. The system followed for selecting the examination committee		The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.	
6. External evaluation of the exam:		[<input checked="" type="checkbox"/>] Applied [<input type="checkbox"/>] Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"	
7. Names of professors/ lecturers contributing in course		1. Dr. Ali Samir 2. Eng. Nadra Saad. 3. Eng. Sabreen osama.	

B. Statistical Information: -

1. Statistics

- No. of students starting the course	126
- No. of students attending the course	122



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- Results	No. of Passed Students	82	Percentage (%)	67.2%
	No. of Failed Students	40	Percentage (%)	32.8%

4. Grading of students passing the course:

Pass	Good	Very Good	Excellent
53	14	11	4



Comments:

According to this graph, 82 students were succeeded and 30 students have a "Good" grade or above. The "Pass" category has the highest number of scores, significantly more than the other categories. The "Good" category has the second highest number of scores, followed by the "Very Good" category. The "Excellent" category has the lowest number of scores. The distribution is heavily skewed towards the "Pass" category, with a



		significant drop in the number of scores as the categories progress towards "Excellent." This skewed distribution indicates that the data is not following a normal distribution pattern.
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2. Course Teaching: -

- Topics Taught: -

Week	Topics	physics (1)		
		No. of hr/week		
		Tut./Lab	lecture	Total
1-2	Units and Dimensions: (Material properties-Physical quantities-conversion factors)	4	4	8
3-4	Mechanical properties of matter : (stress-strain-Hook law- modulus-factor of safety)	4	4	8
5-6	Periodic motion and Oscillations-simple harmonic motion-damped and forced oscillation)	4	4	8
7	Mid Term			
8	Sound waves - waves in elastic media-Doppler effect – police radar)	2	2	4
9-10	Properties of fluids-viscosity- tension surface – Bernoulli's principle)	4	4	8
11	Thermometers and Quantity of heat: (Thermometers- quantity and units of heat – heat capacity – calorimetry – latent heat)	2	2	4



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12-13	Thermal Expansion and Heat transfer: (linear, area and volume expansion- convection-radiation -conduction)	4	4	8
14	Theory of gases and thermodynamic: (ideal gas law- first and second law of thermodynamic-heat engines)	2	2	4
15	Final Exam			

Week	Topics	physics (2)		
		No. of hr/week		
		Tut./La b.	lecture	Total
1-2	Electrostatic force: charge and substance Coulomb's law - the principle of conservation and quantization of charge	4	4	8
3-4	-The electric field - The electric field resulting from a point charge - Definition of the dipole and calculating the final field at a distant point - The electric field resulting from (linear distribution of charges - Surface distribution of charges) - The effect of the electric field on (point charge - The electric dipole) - Movement of a charge in the field The electrician	4	4	8
5-6	Electric Flow and Gauss's Law: Electric Field Flow - Gauss's Law - Applications of Gauss's Law -Conductors in Static Fields.	4	4	8
7	Mid Term			
8	Electric potential: electric potential energy - potential and potential difference	2	2	4
9	Capacitor: Connecting capacitors in electrical circuits and capacitance laws)	2	2	4
10	Electrical circuits: ohm's law and simple circuits- Magnetic field- Babot and savart laws.	2	2	4
11	Engineering light - Light propagation for spherical surfaces (mirrors and lens)- Light phenomena	2	2	4



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	(propagation- reflection- refraction)			
12	Wave properties for light and Hygen's principle - Interference – Diffraction- Polarization and its application-	2	2	4
13-14	Electric Flow and Gauss's Law: Electric Field Flow - Gauss's Law - Applications of Gauss's Law -Conductors in Static Fields.	4	4	8
15	Final Exam			

- Percentage of actually given course content:	92%					
- Untaught topics	Ideal gas law Conductors in Static Fields.					
- extent of instructors' commitment to the course content	√	> 85%		60 – 84%		< 60%
-Percentage of contents covered in the exam	√	> 85%		60 – 84%		< 60%
- Teaching and learning methods: -	Face to face lecture / Tutorial / Exercise Laboratory Group discussion Research and reporting					
- Student assessment: -	Mid-Term (15%) Quizzes (5%) Sheets (3%) Reports (2%) Attendance (8%) Tutorials Lab& Final Exam (7%)					



	Final Examination (60%)
3. The available teaching resources	
- Scientific References	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
- Helping tools	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
- Supplies and materials	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
4. Administrative constraints	Not exist
5. Results of course evaluation by students:	<p>Satisfied to some extent with total percentage equal [89.9%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [86.65%] - Staff → [87.4%] - Available resources → [87%] - Student assessment methods → [86.6%] - Co-Staff (1) → [87.8%] - Co-Staff (2) → [87.3%]
• 6. Suggestions for course enhancement:	<ul style="list-style-type: none"> • Provide more academic support for students • Providing courses for students in the English language to help them understand the wording of the question • Recording lectures and sessions
7. External evaluator's comments:	No Comment
8. Achieved actions from previous year	<p>Provide more academic support for students .</p> <p>Modified Laboratory manual including results sheets and exercise sheets, which improved practical</p>



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9. non-achieved actions from previous year		sessions. Providing courses for students in the English language to help them understand the wording of the question.			
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10. Action plan for current semester:

No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	Providing courses for students in the English language to help them understand the wording of the question	Course coordinator	2024-2025	--
2.	Teaching	Recording sessions and lectures.	Course coordinator	2024-2025	--

	Name	Signature
Course coordinator:	Prof. Dr. Ali Samir	
Program coordinator:	Prof. Dr. Ali Samir	
Head of Department:	Prof. Dr. Ali Samir	
Dean:	Prof. Dr. Atteia Aref	
Date	September 2024	



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Engineering physics (1)+(2) course Report

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Basic science department

A. Basic Information: -

1. Course title:	Physics (1)	Course code:	BS012
	Physics (2)	Course code:	BS016
2. Program Name:		Architectural Engineering Program	
3. Academic year	Preparatory year	Semester	1 st semester 1 nd semester
4. Number of weekly contact hours:			
Lecture	Tut./Lab.	Total contact	
2	2	4	
5. The system followed for selecting the examination committee		The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.	
6. External evaluation of the exam:		[<input checked="" type="checkbox"/>] Applied [<input type="checkbox"/>] Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"	
7. Names of professors/ lecturers contributing in course		1. Dr. Ali Samir 2. Eng. Nadra Saad. 3. Eng. Sabreen osama.	

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- Results	No. of Passed Students	82	Percentage (%)	67.2%
	No. of Failed Students	40	Percentage (%)	32.8%

4. Grading of students passing the course:

Pass	Good	Very Good	Excellent
53	14	11	4



Comments:

According to this graph, 82 students were succeeded and 30 students have a "Good" grade or above. The "Pass" category has the highest number of scores, significantly more than the other categories. The "Good" category has the second highest number of scores, followed by the "Very Good" category. The "Excellent" category has the lowest number of scores. The distribution is heavily skewed towards the "Pass" category, with a



		significant drop in the number of scores as the categories progress towards "Excellent." This skewed distribution indicates that the data is not following a normal distribution pattern.
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2. Course Teaching: -

- Topics Taught: -

Week	Topics	physics (1)		
		No. of hr/week		
		Tut./Lab	lecture	Total
1-2	Units and Dimensions: (Material properties-Physical quantities-conversion factors)	4	4	8
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7	Mid Term			
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9-10	Properties of fluids-viscosity- tension surface – Bernoulli's principle)	4	4	8
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12-13	Thermal Expansion and Heat transfer: (linear, area and volume expansion- convection-radiation -conduction)	4	4	8
14	Theory of gases and thermodynamic: (ideal gas law- first and second law of thermodynamic-heat engines)	2	2	4
15	Final Exam			

Week	Topics	physics (2)		
		No. of hr/week		
		Tut./La b.	lecture	Total
1-2	Electrostatic force: charge and substance Coulomb's law - the principle of conservation and quantization of charge	4	4	8
3-4	-The electric field - The electric field resulting from a point charge - Definition of the dipole and calculating the final field at a distant point - The electric field resulting from (linear distribution of charges - Surface distribution of charges) - The effect of the electric field on (point charge - The electric dipole) - Movement of a charge in the field The electrician	4	4	8
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7	Mid Term			
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	(propagation- reflection- refraction)			
12	Wave properties for light and Hygen's principle - Interference – Diffraction- Polarization and its application-	2	2	4
13-14	Electric Flow and Gauss's Law: Electric Field Flow - Gauss's Law - Applications of Gauss's Law -Conductors in Static Fields.	4	4	8
15	Final Exam			

- Percentage of actually given course content:	92%					
- Untaught topics	Ideal gas law Conductors in Static Fields.					
- extent of instructors' commitment to the course content	√	> 85%		60 – 84%		< 60%
-Percentage of contents covered in the exam	√	> 85%		60 – 84%		< 60%
- Teaching and learning methods: -	Face to face lecture Tutorial / Exercise Laboratory Group discussion Research and reporting					
- Student assessment: -	Mid-Term (15%) Quizzes (5%) Sheets (3%) Reports (2%) Attendance (8%) Tutorials Lab& Final Exam (7%)					



	Final Examination (60%)
3. The available teaching resources	
- Scientific References	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
- Helping tools	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
- Supplies and materials	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
4. Administrative constraints	Not exist
5. Results of course evaluation by students:	<p>Satisfied to some extent with total percentage equal [89.9%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [86.65%] - Staff → [87.4%] - Available resources → [87%] - Student assessment methods → [86.6%] - Co-Staff (1) → [87.8%] - Co-Staff (2) → [87.3%]
• 6. Suggestions for course enhancement:	<ul style="list-style-type: none"> • Provide more academic support for students • Providing courses for students in the English language to help them understand the wording of the question • Recording lectures and sessions
7. External evaluator's comments:	No Comment
8. Achieved actions from previous year	<p>Provide more academic support for students .</p> <p>Modified Laboratory manual including results sheets and exercise sheets, which improved practical</p>



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9. non-achieved actions from previous year		sessions. Providing courses for students in the English language to help them understand the wording of the question.			
--	--	--	--	--	--

10. Action plan for current semester:

No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	Providing courses for students in the English language to help them understand the wording of the question	Course coordinator	2024-2025	--
2.	Teaching	Recording sessions and lectures.	Course coordinator	2024-2025	--

	Name	Signature
Course coordinator:	Prof. Dr. Ali Samir	
Program coordinator:	Prof. Dr. Ali Samir	
Head of Department:	Prof. Dr. Ali Samir	
Dean:	Prof. Dr. Atteia Aref	
Date	September 2024	



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Mechanics (1) + (2) course Report

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Basic science Department

A. Basic Information: -

1. Course title:	Mechanics (1) Mechanics (2)	Course code:	BS013 BS023
2. Program Name:	Architectural Engineering Program		
3. Academic year	Preparatory year	Semester	1 st semester 2 nd semester
4. Number of weekly contact hours:			
Lecture		Tut./Lab.	Total contact
2		2	4
5. The system followed for selecting the examination committee	The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.		
6. External evaluation of the exam:	<input checked="" type="checkbox"/> Applied <input type="checkbox"/> Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"		
7. Names of professors/ lecturers contributing in course	1. Prof. Dr. Atteia Aref 2. Eng. Hayah Samy		

B. Statistical Information: -

1. Statistics

- No. of students starting the course	126			
- No. of students attending the course	122			
- Results	No. of Passed Students	91	Percentage (%)	74.6%



No. of Failed Students	31	Percentage (%)	25.4%										
4. Grading of students passing the course:													
Pass	Good	Very Good	Excellent										
44	18	20	9										
 A bar chart titled '4. Grading of students passing the course:' showing the distribution of student grades. The x-axis categories are 'Pass', 'Good', 'Very Good', and 'Excellent'. The y-axis represents the number of students, ranging from 0 to 45 in increments of 5. The bars are blue. The data is summarized in the following table: <table border="1"><thead><tr><th>Grade</th><th>Number of Students</th></tr></thead><tbody><tr><td>Pass</td><td>44</td></tr><tr><td>Good</td><td>18</td></tr><tr><td>Very Good</td><td>20</td></tr><tr><td>Excellent</td><td>9</td></tr></tbody></table>			Grade	Number of Students	Pass	44	Good	18	Very Good	20	Excellent	9	Comments: According to this graph 91 students were succeeded and 47 students have a "Good" grade or above. The distribution shows a very high concentration of scores in the "Pass" category, with a significant drop in the number of scores as we move towards the "Good," "Very Good," and "Excellent" categories. The "Excellent" category has the fewest scores among the four categories. The "Good" category is significantly lower than the number of scores in the "Pass" category. This
Grade	Number of Students												
Pass	44												
Good	18												
Very Good	20												
Excellent	9												



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		distribution is heavily skewed towards the "Pass" category and does not follow a normal distribution pattern, as it is not symmetrical.
--	--	---

2. Course Teaching: -

- Topics Taught: -

Mechanics (1)

Week	Topics	No. of hr/week		
		Tut./Lab.	lecture	Total
1-2	Units of measurements. Vectors and spatial Forces	4	4	8
3-4	Resolution of two forces and equilibrium. Torque	4	4	8
5	Forces in 3 dimensions and equilibrium. Distributed forces	2	2	4
6	Moment in 2 dimensions	2	2	4
7	Mid-Term Exam			
8-9	Moment in 3 dimensions.	4	4	8
10-11	Couple in two and three dimensions.	4	4	8
12-13	Equilibrium of bodies.	4	4	8
14	Friction. Center of gravity.	2	2	4
15	Final Exam			



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Mechanics (2)

Week	Topics	No. of hr/week		
		Tut./Lab.	lecture	Total
1-2	kinematics of particle- Newton's law for motion- Motion equations in different coordinates	4	4	8
3-4	Straight line motion Curvilinear motion	4	4	8
5	linear relative motion Projectiles	2	2	4
6	Motion of rigid body Tangential and normal acceleration- rotational and general	2	2	4
7	Mid-Term Exam			
8-9	Force, mass and acceleration	4	4	8
10-11	Cont. Force, mass and acceleration	4	4	8
12-13	Principle of work and energy	4	4	8
14	Kinematics of rigid bodies. Friction	2	2	4
15	Final Exam			

- Percentage of actually given course content:	90%				
- Untaught topics	Applications on beams and hydrostatics Friction				
- extent of instructors' commitment to the course content	√	> 85%	60 – 84%	< 60%	
-Percentage of contents covered in the exam	√	> 85%	60 – 84%	< 60%	
- Teaching and learning methods: -	Face to face lecture Tutorial / Exercise				



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	<p>Group discussion</p> <p>Presentation</p> <p>Research and reporting</p> <p>Brain storming</p>
- Student assessment: -	<p>Final written exam (60%)</p> <p>Mid-term Exam (18%)</p> <p>Quizzes (4%)</p> <p>Sheets (6%)</p> <p>Reports (2%)</p> <p>Attendance (10%)</p>
3. The available teaching resources	
- Scientific References	<p><input checked="" type="checkbox"/> Available</p> <p><input type="checkbox"/> Available to some extent</p> <p><input type="checkbox"/> Not available</p>
- Helping tools	<p><input checked="" type="checkbox"/> Available</p> <p><input type="checkbox"/> Available to some extent</p> <p><input type="checkbox"/> Not available</p>
- Supplies and materials	<p><input checked="" type="checkbox"/> Available</p> <p><input type="checkbox"/> Available to some extent</p> <p><input type="checkbox"/> Not available</p>
4. Administrative constraints	
5. Results of course evaluation by students:	<p>Not exist</p> <p>Satisfied to some extent with total percentage equal [88.7%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [85.65 %] - Staff → [84.65%] - Available resources → [85.65%] - Student assessment methods → [86.3 %] - Co-Staff (1) → [92%]
6. Suggestions for course enhancement:	<ul style="list-style-type: none"> • Improving the teaching methods used, such as e-learning. • Recording lectures and sessions.



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7. External evaluator's comments:		No Comment			
8. Achieved actions from previous year		Provide more academic support for students			
9. non-achieved actions from previous year		Recording lectures and sessions			
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	Improving the teaching methods used, such as e-learning	Course coordinator	2024-2025	--
2.	Teaching	Recording lectures and sessions	Course coordinator	2024-2025	--

	Name	Signature
Course coordinator:	Prof. Dr. Atteia Aref	
Program coordinator:	Prof. Dr. Ali Samir	
Head of Department:	Prof. Dr. Ali Samir	
Dean:	Prof. Dr. Atteia Aref	
Date	September 2024	



وحدة ضمان الجودة



وزارة التعليم العالي

المعهد العالي للهندسة والتكنولوجيا بالمنزلة

منشأً بالقرار الوزاري رقم (2354) لسنة 2019

ARE 111 Architectural Design (1) course Report

University/Academy	Manzalla Academy for Science and Technology		
Faculty/Institute	Higher Institute of Engineering and Technology at Manzala		
Department	Architecture Department		

A. Basic Information: -

1. Course title:	Architectural Design (1)		Course code:	ARE 111		
2. Program Name:	Architectural Engineering Program					
3. Academic year	First year		Semester	1st semester		
4. Number of weekly contact hours:						
Lecture		Tut./Lab.	Total contact			
2		4	6			
5. The system followed for selecting the examination committee						
The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.						
6. External evaluation of the exam:						
[✓] Applied [] Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"						
7. Names of professors/ lecturers contributing in course						
1. Prof. Dr.Tarek Abo Aouf 2.Eng. Menna Nasser (1) 3.Eng . Dina Rizk (2) 4. Eng . Aya Tarek (3)						

B. Statistical Information: -

1. Statistics

- No. of students starting the course	18		
- No. of students attending the course	18		
- Results	No. of Passed Students	18	Percentage (%)



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	No. of Failed Students	0	Percentage (%)	0%
4. Grading of students passing the course:				
Pass	Good	Very Good	Excellent	
2	5	7	4	
				Comments: According to this graph 18 students were succeeded and 16 students have a "Good" grade or above . The " very good " category has the most scores among the four categories. The "pass " category is has the fewest scores among the four categories. This distribution is heavily skewed towards the "very good " category and follows a normal distribution pattern .

2. Course Teaching: -

Week	Topics	No. of hr/week			
		Tutorial	Practical	lecture	Total
1	Introduction to architectural (introduction and groups' formulation).	4	-	2	6
2	Developing skills and abilities to multiple types and techniques of presentation for architectural design projects. (Project research studies and program analysis &Review examples of the previously mentioned project).	4	-	2	6
3	Developing skills and abilities to multiple types and techniques of presentation for architectural design projects. (Sketch design for the project's concept and layout).	4	-	2	6
4	Developing skills and abilities to multiple types and techniques of presentation for architectural design projects. (Draft design for the project's plans).	4	-	2	6



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5 - 6	Training the student to study and solve simple design problems (Review the sketches of the students to determine if their understanding the principles of architectural design).	8	-	4	12
7	Design problems (Review the sketches of the students to determine if their understanding the principles of architectural design).	4	-	2	6
8	Training the student to study and solve simple design problems (Identify details for design project and presentation+ Formulate own idea of the project).	4	-	2	6
9	Mid-Term Exam				
10	Sketch design for the project's sections and elevations+ Illustrate more detailed sketches for project.	4	-	2	6
11	Developing skills and abilities to multiple types and techniques of presentation for architectural design projects. (Review final project drawings and presentation of the project).	4	-	2	6
12 -13	Training the student to study and solve simple design problems (Discuss problems facing the students and implement the previous commands in the project).	8	-	4	12
14	Developing skills and abilities to multiple types and techniques of presentation for architectural design projects. (Final submission of the project).	4	-	2	6
15	Final Exam				

- Percentage of actually given course content:	96%				
- Untaught topics	fertilizers industry				
- extent of instructors' commitment to the course content	√	> 85%		60 – 84%	< 60%
-Percentage of contents covered in the exam	√	> 85%		60 – 84%	< 60%
- Teaching and learning methods: -	Lecture-based learning Tutorial / Exercise Group discussion				



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	<p>Site visit Presentation Mini project Research and reporting Brain storming Case study</p> <p>Final Examination (34%) Quizzes (7.7%) Sheets (12.8%) Mid-Term Examination (15.4%) Attendance (12.8%) Assignments and reports (2.5%)</p>
- Student assessment: -	
3. The available teaching resources	<p><input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available</p> <p><input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available</p> <p><input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available</p>
4. Administrative constraints	Not exist
5. Results of course evaluation by students:	<p>Satisfied to some extent with total percentage equal [85.4%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [88] - Staff → [88] - Available resources → [86.5] - Student assessment methods → [86] - Co-Staff (1) → [82.6] - Co-Staff (2) → [78.6] - Co-Staff (3) → [88.3]



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6. Suggestions for course enhancement:	<ul style="list-style-type: none"> Architectural maquette workshop Increasing workshops for Free Hand Sketch. 				
7. External evaluator's comments:	No Comment				
8. Achieved actions from previous year	development of skill in multiple presentation techniques for architectural design projects				
9. non-achieved actions from previous year	Increasing workshops for Free Hand Sketch.				
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	Increasing workshops for Free Hand Sketch.	Course coordinator	2024-2025	---
1.	Teaching	Architectural maquette workshop		2024-2025	---

	Name	Signature
Course coordinator:	Prof. Dr. Tarek Abu Aouf	
Program coordinator:	Prof. Dr. Tarek Abu Aouf	
Head of Department:	Prof. Dr. Tarek Abu Aouf	
Dean:	Prof. Dr. Atteia Aref	
Date	September 2023	



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Building construction (1) course Report

University/Academy	Manzalla Academy for Science and Technology		
Faculty/Institute	Higher Institute of Engineering and Technology at Manzala		
Department	Architecture Engineering Department		

A. Basic Information: -

1. Course title:	Building construction (1)		Course code:	ARE 112
2. Program Name:	Architectural Engineering Program			
3. Academic year	First year		Semester	1st semester
4. Number of weekly contact hours:				
Lecture		Tut./Lab.	Total contact	
2		4	6	
5. The system followed for selecting the examination committee			The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.	
6. External evaluation of the exam:			[✓] Applied [] Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"	
7. Names of professors/ lecturers contributing in course			1. Prof. Huda Mohamed 2. Eng. Fatma Nasser (1) 3. Eng. Dina Rizk (2)	

B. Statistical Information: -

1. Statistics

- No. of students starting the course	19		
- No. of students attending the course	19		
- Results	No. of Passed Students	19	Percentage (%)



No. of Failed Students	0	Percentage (%)	0										
4. Grading of students passing the course:													
Pass	Good	Very Good	Excellent										
17	0	2	0										
<table border="1"> <thead> <tr> <th>Grade</th> <th>Number of Students</th> </tr> </thead> <tbody> <tr> <td>Pass</td> <td>17</td> </tr> <tr> <td>Good</td> <td>0</td> </tr> <tr> <td>Very Good</td> <td>2</td> </tr> <tr> <td>Excellent</td> <td>0</td> </tr> </tbody> </table>				Grade	Number of Students	Pass	17	Good	0	Very Good	2	Excellent	0
Grade	Number of Students												
Pass	17												
Good	0												
Very Good	2												
Excellent	0												
			Comments: According to this graph 19 students were succeeded and 2 students have a "very good" grade or above . The " pass " category has the most scores among the four categories. The "good" and the "excellent " categories have the fewest scores among the four categories. This distribution is heavily skewed towards the " pass " category and follows an up normal distribution pattern .										

2. Course Teaching: -

- 1. Course contents: -

Week	Topics	No. of hr/week		
		Tut./lab	lecture	Total
1	Traditional construction& Course definition (Drawing tools & sketching.)	2	4	6
2	Masonry - raw bricks & brick masonry	2	4	6



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3-4	Construction buildings - types & techniques: the wall bearing type	4	8	12
5 - 6	Construction of roofs, floors, and ceilings	4	8	12
7	Building insulation against dampness, rain drainage.	2	4	6
8	Construction building types & techniques: the skeleton type and its construction components.	2	4	6
9	Mid Term			
10	Mortars and finishing materials	2	4	6
11-12	Applications and working drawings of simplified buildings	4	8	12
13	Introduction to technical sanitary installations	2	4	6
14	Final submission of the project	2	4	6
15	Final Exam			

- Percentage of actually given course content:	90%				
- Untaught topics	Introduction to technical sanitary installations .				
- extent of instructors' commitment to the course content	√	> 85%	60 – 84%		< 60%
-Percentage of contents covered in the exam	√	> 85%	60 – 84%		< 60%
- Teaching and learning methods: -	Lecture-based learning Tutorial / Exercise Group discussion Mini project Research and reporting Brain storming Presentation				
- Student assessment: -	Final Examination (57%)				



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	<p>Quizzes (6.4%)</p> <p>Sheets (10.7%)</p> <p>Mid-Term Examination (12.8%)</p> <p>Attendance (10.7%)</p> <p>Assignments and reports (2.4%)</p>
3. The available teaching resources	
- Scientific References	<p><input checked="" type="checkbox"/> Available</p> <p><input type="checkbox"/> Available to some extent</p> <p><input type="checkbox"/> Not available</p>
- Helping tools	<p><input checked="" type="checkbox"/> Available</p> <p><input type="checkbox"/> Available to some extent</p> <p><input type="checkbox"/> Not available</p>
- Supplies and materials	<p><input checked="" type="checkbox"/> Available</p> <p><input type="checkbox"/> Available to some extent</p> <p><input type="checkbox"/> Not available</p>
4. Administrative constraints	Not exist
5. Results of course evaluation by students:	<p>Satisfied to some extent with total percentage equal [76.3%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [81.3%] - Staff → [75.1%] - Available resources → [76%] - Student assessment methods → [76.6%] - Co-Staff (1) → [74.6%] - Co-Staff (2) → [74.3%]
6. Suggestions for course enhancement:	<ul style="list-style-type: none"> • Lack of development of skill in multiple presentation techniques for architectural design projects . • Increase the lecture for explain Working



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		technical sanitary installations. • Drawing technical sanitary construction plans.			
7. External evaluator's comments:		No Comment			
8. Achieved actions from previous year		Increase the lecture for explain Working technical sanitary installations Drawing technical sanitary construction plans			
9. non-achieved actions from previous year		Visit a site under construction			
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	Lack of development of skill in multiple presentation techniques for architectural design projects	Course coordinator	2024-2025	--
2.	Teaching	Increase the lecture for explain Working technical sanitary installations	Member of Administration	2024-2025	---
3.	Teaching	Drawing technical sanitary construction plans		2024-2025	----

	Name	Signature
Course coordinator:	Dr.Huda Mohamed	
Program coordinator:	Prof. Dr. Tarek Abo Aouf	
Head of Department:	Prof. Dr. Tarek Abo Aouf	
Dean:	Prof. Dr. Atteia Aref	
Date	2024	



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ARE 121 Architectural design (2)

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Architecture Engineering Department

A. Basic Information: -

1. Course title:	Architectural design (2)		Course code:	ARE 121		
2. Program Name:	Architecture Engineering Program					
3. Academic year	First year		Semester	2 nd Semester		
4. Number of weekly contact hours:						
	Lecture	Tut./Lab.	Total contact			
	2	4	6			
5. The system followed for selecting the examination committee	The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.					
6. External evaluation of the exam:	[✓] Applied [] Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"					
7. Names of professors/ lecturers contributing in course	1. Prof. Dr. Marwa atef 2. Arch. Menna naser (1) 3. Arch. Mohamed assasa (2)					

B. Statistical Information: -

1. Statistics

- No. of students starting the course				18
- No. of students attending the course				18
- Results	No. of Passed Students	18	Percentage (%)	100%
	No. of Failed Students	0	Percentage (%)	0%



4. Grading of students passing the course:



2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week		
		Tutorial	lecture	Total
1-	Simplified projects dealing with aesthetic, cultural, environment, functional, and structural constraints of architectural form and space & (Project introduction and groups' formulation. Objectives of Project design).	8	4	12
2	Principles of using and designing building interiors and external spaces, services (Defining Phases of architectural design process).	4	2	6
3	principles of using and designing building interiors and external spaces, services (Site Analysis, Concept and Space syntax)	8	4	12



5				
6	Principles of using vertical/horizontal circulation, with reference to human needs and interactions with surrounding built and natural environments (Initial concept proposal).	4	2	6
7	Mid Term Exam			
8	principles of using vertical/horizontal circulation, with reference to human needs and interactions with surrounding built and natural environments (Structure Systems for Residential buildings)	4	2	6
9	applications with architectural models and studying types and techniques of presentation in architectural design and projects	4	2	6
10	applications with architectural models and studying types and techniques of presentation in architectural design and projects. (Elevations and Architectural styles)	4	2	6
11 - 12	applications with architectural models and studying types and techniques of presentation in architectural design and projects. (Project: Final Elevations Submission, Layout & Landscape)	8	4	12
13	Applications with architectural models and studying types and techniques of presentation in architectural design and projects. (Final Layout Submission, Perspective, Shots)	4	2	6
14	Final Booklets Submission	4	2	6
15	Final Exam			

- Percentage of actually given course content:	88%				
- Untaught topics	Pen Techniques, Ink.				
- extent of instructors' commitment to the course content	√	> 85%		60 – 84%	< 60%
-Percentage of contents covered in the exam	√	> 85%		60 – 84%	< 60%
- Teaching and learning methods: -	Lecture-based learning Online-based learning Tutorial / Exercise Group discussion Site visit Presentation Mini-project				



	<p>Research and reporting</p> <p>Brain storming</p> <p>Case study</p>
- Student assessment: -	<p>Quizzes (7.5%)</p> <p>Reports (2.5%)</p> <p>Sheets (12.5%)</p> <p>Mid-term Exam (15%)</p> <p>Attendance (12.5%)</p> <p>Laboratory (0%)</p> <p>Final written exam (40%)</p>

3. The available teaching resources

- Scientific References	<p><input checked="" type="checkbox"/> Available</p> <p><input type="checkbox"/> Available to some extent</p> <p><input type="checkbox"/> Not available</p>
- Helping tools	<p><input checked="" type="checkbox"/> Available</p> <p><input type="checkbox"/> Available to some extent</p> <p><input type="checkbox"/> Not available</p>
- Supplies and materials	<p><input checked="" type="checkbox"/> Available</p> <p><input type="checkbox"/> Available to some extent</p> <p><input type="checkbox"/> Not available</p>
4. Administrative constraints	Not exist
5. Results of course evaluation by students:	<p>Satisfied to some extent with total percentage equal [89.5 %] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [95%] - Staff → [70%] - Available resources → [77.5%] - Student assessment methods → [76.3%] - Co-Staff (1) → [89%] - Co-Staff (2) → [96.5%]
6. Suggestions for course	<ul style="list-style-type: none"> • Add a workshop for improving students' design and drawing skills.



enhancement:	<ul style="list-style-type: none"> • Add Applications with architectural studying models. 				
7. External evaluator's comments:	No Comment				
8. Achieved actions from previous year	Using vertical/horizontal circulation principles, concerning human needs and interactions with surrounding built and natural environments.				
9. non-achieved actions from previous year	Applications with architectural studying models.				
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	Add a workshop for improving students' design and drawing skills.	Course coordinator	2024-2025	500
2.	Teaching	Add Applications with architectural studying models.	Course coordinator	2024-2025	1500

	Name	Signature
Course coordinator:	Prof. Dr. Marwa atef	Dr/ Marwa atef
Program coordinator:	Prof. Dr. Marwa atef	Dr/ Marwa
Head of Department:	Prof. Dr. Tarek abo ouf	Dr/ Tarek
Dean:	Prof. Dr. Atteia Aref	Atteia Aref
Date	july 2024	



وحدة ضمان الجودة



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ARE 125 Technical Reports in architecture

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Architectural Engineering Department

A. Basic Information: -

1. Course title:	Technical Reports in architecture	Course code:	ARE 125		
2. Program Name:	Architectural Engineering Program				
3. Academic year	First year	Semester	2 nd Semester		
4. Number of weekly contact hours:					
Lecture	Tut./Lab.	Total contact			
2	-	2			
5. The system followed for selecting the examination committee	The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.				
6. External evaluation of the exam:	[✓] Applied [] Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"				
7. Names of professors/ lecturers contributing in course	1. Prof. Dr. Tarek AbouOuf				

B. Statistical Information: -

1. Statistics

- No. of students starting the course	18			
- No. of students attending the course	18			
- Results	No. of Passed Students	18	Percentage (%)	100%



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No. of Failed Students	0	Percentage (%)	0%

4. Grading of students passing the course:

Pass	Good	Very Good	Excellent
3	0	5	16
			
<p>Comments: According to the graph, All 18 students achieved passing grades, with 6 receiving "Excellent" and 8 receiving "Very Good." This distribution indicates a generally high level of performance, with most students achieving above-average grades. Overall, the results reflect effective teaching methods and a solid understanding of the course material among the students.</p>			



وحدة حضمان الجودة



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2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week		
		Tutorial	lecture	Total
1 -2	Issues and subjects in the architectural engineering of projects throughout phases (Introduction+ Formatting guidelines (templates, badges, and text)).	-	4	4
3 -4	Preparation of preliminary and final reports (Components of a report (preliminary pages)).	-	4	4
5 -6	written exercises (Components of a report: text of a report : introduction, main section, conclusion, recommendations)	-	4	4
7	Mid Term Exam			
8 -9	Ways and techniques of data presentation.	-	4	4
10	Practice and discuss how to prepare and write a technical report.	-	2	2
11	oral discussion	-	2	2
12	ways and techniques of data presentation (Referencing of sources and originality (author-date, and numerical referencing))	-	2	2
13 -14	Delivered of preliminary and final reports.	-	4	4
15	Final Exam			

- Percentage of actually given course content:	95%				
- Untaught topics	Pen Techniques, Ink.				
- extent of instructors' commitment to the course content	√	> 85%	60 – 84%	< 60%	
-Percentage of contents covered in the exam	√	> 85%	60 – 84%	< 60%	
- Teaching and learning methods: -	Lecture-based learning Tutorial / Exercise Group discussion Presentation Mini-project Research and reporting				



- Student assessment:	<p>Brain storming Quizzes (4.5%) Reports (1.5%) Sheets (3%) Mid-term Exam (13.5%) Attendance (7.5%) Laboratory (0%) Final written exam (70%)</p>
3. The available teaching resources	
- Scientific References	<p><input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available</p>
- Helping tools	<p><input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available</p>
- Supplies and materials	<p><input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available</p>
4. Administrative constraints	<p>Not exist</p>
5. Results of course evaluation by students:	<p>Satisfied to some extent with total percentage equal [93 %] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [93.33%] - Staff → [92.57%] - Available resources → [93.60%] - Student assessment methods → [92.66%]
6. Suggestions for course enhancement:	<ul style="list-style-type: none"> • Integrate the use of tools and software commonly used in the industry for creating technical reports, such as Microsoft Word, LaTeX, or specialized architectural documentation tools. • Organize visits to construction sites or



	<p>architectural firms to understand the practical aspects of technical reporting.</p> <ul style="list-style-type: none"> Include tasks that require students to write technical reports based on their observations and findings from these visits.
7. External evaluator's comments:	No Comment
8. Achieved actions from previous year	<p>Increasing the value and content of scientific material.</p> <p>Training on data presentation techniques.</p>
9. non-achieved actions from previous year	Add a workshop ways.

10. Action plan for current semester:

No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Technology and Software	Integrate the use of tools and software commonly used in the industry for creating technical reports, such as Microsoft Word, LaTeX, or specialized architectural documentation tools.	Course coordinator	2024-2025	1000L.E
2.	Field Trips and Site Visits	Organize visits to construction sites or architectural firms to understand the practical aspects of technical reporting.	Head of Department	2024-2025	3000L.E
3.	Field Trips and Site Visits	Include tasks that require students to write technical reports based on their	Course coordinator	2024-2025	—



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	observations and findings from these visits.			
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	Name	Signature
Course coordinator:	Prof. Dr. Tarek AbouOuf	
Program coordinator:	Prof. Dr. Tarek AbouOuf	
Head of Department:	Prof. Dr. Tarek AbouOuf	
Dean:	Prof. Dr. Attia Aref	 Attia Aref
Date	September 2024.	



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ARE 212 Computer applications in architecture (1) course Report

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Architecture department

A. Basic Information: -

1. Course title:	Computer applications in architecture (1)	Course code:	ARE 212
2. Program Name:	Architecture Engineering program		
3. Academic year	Second year	Semester	1st semester
4. Number of weekly contact hours:			
Lecture	Tut./Lab.	Total contact	
2	2	4	
5. The system followed for selecting the examination committee	The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.		
6. External evaluation of the exam:	[✓] Applied [] Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"		
7. Names of professors/ lecturers contributing in course	1. Prof. DrMarwa adham 2. Eng. Rahaf ebrahem (1) 3. Eng menna naser (2)		

B. Statistical Information: -

1. Statistics

- No. of students starting the course	24			
- No. of students attending the course	24			
- Results	No. of Passed Students	23	Percentage (%)	95.5%



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No. of Failed Students	1	Percentage (%)	5%

4. Grading of students passing the course:





2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week			
		Tutorial	Practical	lecture	Total
1-3	Prevailing operating system	6		6	12
4-5	Trainings	4		4	8
6	Architectural drawing problems	2		2	4
7	Mide term				
8-9	Conti. - architectural drawing	4		4	8
10	Applications on architectural	4		4	8
11-14	Applications on architectural	8		8	16
15	Final Exam				

- Percentage of actually given course content:	95%				
- Untaught topics	Applications on architectural				
- extent of instructors' commitment to the course content	√	> 85%	60 – 84%		< 60%
- Percentage of contents covered in the exam	√	> 85%	60 – 84%		< 60%
- Teaching and learning methods: -	Lecture-based learning Tutorial / Exercise Group discussion Laboratory Site visit Presentation Mini project Research and reporting Brain storming				
- Student assessment: -	Final Examination(60%) Quizzes(4.5%) Sheets(3%) Mid-Term Examination(13.5%)				



	<p>Attendance(7.5%)</p> <p>Assignments and reports(1.5%)</p> <p>Oral/Practical(10%)</p> <p>Total(100%)</p>
3. The available teaching resources	
- Scientific References	<p><input checked="" type="checkbox"/> Available</p> <p><input type="checkbox"/> Available to some extent</p> <p><input type="checkbox"/> Not available</p>
- Helping tools	<p><input checked="" type="checkbox"/> Available</p> <p><input type="checkbox"/> Available to some extent</p> <p><input type="checkbox"/> Not available</p>
- Supplies and materials	<p><input checked="" type="checkbox"/> Available</p> <p><input type="checkbox"/> Available to some extent</p> <p><input type="checkbox"/> Not available</p>
4. Administrative constraints	Not exist
5. Results of course evaluation by students:	<p>Satisfied to some extent with total percentage equal [86.6%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [88%] - Staff → [83.3%] - Available resources → [77%] - Student assessment methods → [85%] - Co-Staff (1) → [88%] - Co-Staff (2) → [96%]
6. Suggestions for course enhancement:	<ul style="list-style-type: none"> • Applications on architectural
7. External evaluator's comments:	No Comment
8. Achieved actions from previous year	<ul style="list-style-type: none"> • draw a lot of project • Increase search.
9. non-achieved actions from previous year	Applications on architectural



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10. Action plan for current semester:

No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	• increase Applications on architectural	Course coordinator	2024-2025	--

	Name	Signature
Course coordinator:	Prof. DrMarwa adham	
Program coordinator:	Prof. Dr. Tarek abou ouf	
Head of Department:	Prof. Dr. Tarek abou ouf	
Dean:	Prof. Dr. Atteia Aref	
Date	Julay 2024	



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ARE 214 History & theories of architecture (2) course Report

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Architecture department

A. Basic Information: -

1. Course title:	History &Theories of Architecture (2)	Course code:	ARE 214
2. Program Name:	Architecture Engineering program		
3. Academic year	Second year	Semester	1st semester
4. Number of weekly contact hours:			
Lecture		Tut./Lab.	Total contact
3		-----	3
5. The system followed for selecting the examination committee		The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.	
6. External evaluation of the exam:		[✓] Applied [] Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"	
7. Names of professors/ lecturers contributing in course		1. Dr. Marwa al-adham	

B. Statistical Information: -

1. Statistics

- No. of students starting the course	24			
- No. of students attending the course	24			
- Results	No. of Passed Students	22	Percentage (%)	91.7%
	No. of Failed Students	2	Percentage (%)	8.3%



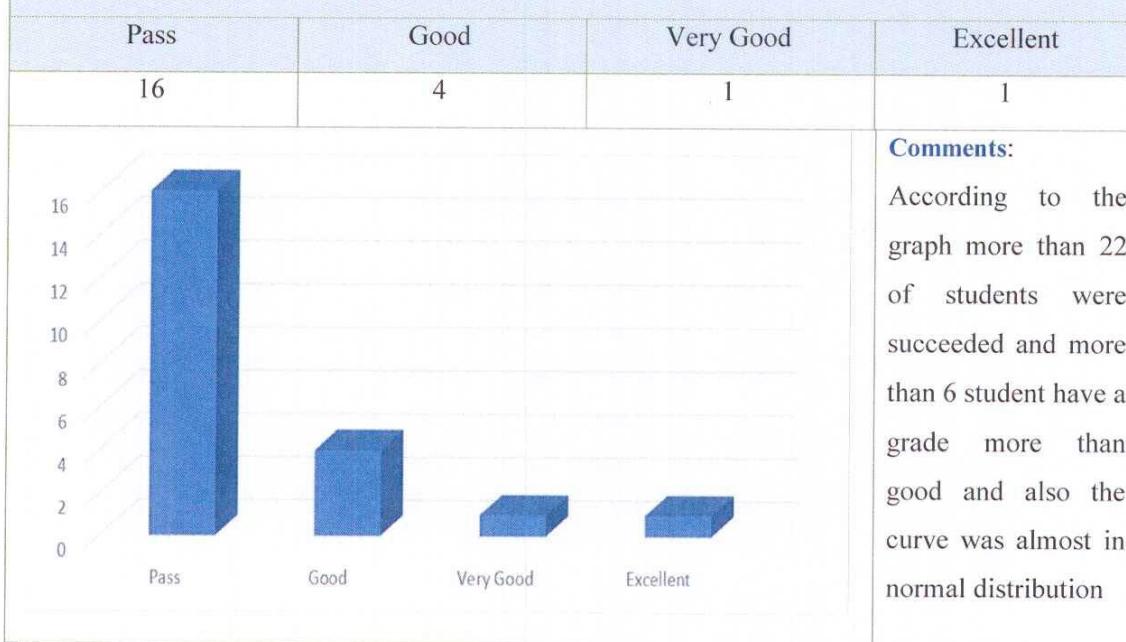
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4. Grading of students passing the course:





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2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week			
		Tutorial	Practical	lecture	Total
1-4	History of architecture: Medieval architecture in western and Islamic Worlds -Islamic architecture			12	12
5	Theory of architecture: Analytical study of the factors affecting architectural design (economical, functional, social, human, psychological, and environmental)			3	3
6	Building technology and construction techniques			6	6
7	Mid Term Exam				
8	Architectural theories and criteria of designing for building elements			3	3
9-11	Vertical circulation in buildings			6	6
12-14	Office buildings - commercial buildings. Residential buildings			9	9
15	Final Exam				

- Percentage of actually given course content:	95%				
- Untaught topics	criteria of designing for building elements				
- extent of instructors' commitment to the course content	√	> 85%	60 – 84%	< 60%	
-Percentage of contents covered in the exam	√	> 85%	60 – 84%	< 60%	
- Teaching and learning methods: -	Lecture-based learning Tutorial / Exercise Group discussion				



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	<p>Site visit Presentation Mini-project Research and reporting Brain storming</p>
- Student assessment: -	<p>Final Examination (60%) Quizzes(6%) Sheets(4%) Mid-Term Examination(18%) Attendance(10%) Assignments and reports(2%) Total(100%)</p>
3. The available teaching resources	
- Scientific References	<p><input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available</p>
- Helping tools	<p><input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available</p>
- Supplies and materials	<p><input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available</p>
4. Administrative constraints	
5. Results of course evaluation by students:	<p>Not exist</p> <p>Satisfied to some extent with total percentage equal [70.65%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [73.3%] - Staff → [66.8%] - Available resources → [72.5%] - Student assessment methods → [70%]
6. Suggestions for course enhancement:	<ul style="list-style-type: none"> • criteria of designing for building elements • Critical theory perspectives to examine how power, ideology, and identity influence



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No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	<ul style="list-style-type: none"> • Increase workshops for working drawing 	Course coordinator	2024-2025	--

	Name	Signature
Course coordinator:	Prof. Dr. Marwa Al-Adham	
Program coordinator:	Prof. Dr. Tarek Abou Ouf	
Head of Department:	Prof. Dr. Tarek Abou Ouf	
Dean:	Prof. Dr. Atteia Aref	
Date	2024	



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ARE 222 Building Construction (4) course Report

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Architectural Engineering Department

A. Basic Information: -

1. Course title:	Building Construction (4)	Course code:	ARE 222
2. Program Name:	Architectural Engineering program		
3. Academic year	Second year	Semester	2 nd semester
4. Number of weekly contact hours:			
Lecture		Tut./Lab.	Total contact
2		4	6 ,
5. The system followed for selecting the examination committee			
The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.			
6. External evaluation of the exam:			
[✓] Applied [] Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"			
7. Names of professors/ lecturers contributing in course			
1. Dr. Huda Mohamed EL-Baz 2. Eng. Somaya Mohamed (1) 3. Eng. Rahaf Ibrahim (2)			

B. Statistical Information: -

1. Statistics

- No. of students starting the course	24		
- No. of students attending the course	23		
- Results	No. of Passed Students	23	Percentage (%)
	No. of Failed Students	0	Percentage (%)



4. Grading of students passing the course:

Pass	Good	Very Good	Excellent	Comments:
5	4	6	8	
				According to the graph, All 23 students achieved passing grades, with 8 receiving "Excellent" and 6 receiving "Very Good." This distribution indicates a good overall performance, with a significant number of students achieving high grades. The presence of 4 students with "Good" and 5 students with "Pass" grades suggests a wider range of performance levels, highlighting areas where additional support and improvement may be needed. Overall, the results reflect a generally effective teaching approach, with room for targeted enhancements to assist students in achieving



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		higher grades.
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2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week		
		Tut./lab.	lecture	Total
1	Steel works and details	4	2	6
2	ways and techniques of expansion joints and treatments of different building cracks and caulks	4	2	6
3-4	concrete and reinforced concrete and their ratios of their components	8	4	12
5	ways and techniques of mixing and casting concrete	4	2	6
6	ways and techniques of mixing and casting concrete	4	2	6
7	Mid Term Exam			
8-9	thermal and damp proofing, noise reduction	8	4	12
10	antistatic, and anti radiation materials	4	2	6
11-12	recent finishing materials	8	4	12
13-14	studies of environment impact assessment.	8	4	12
15	Final Exam			

- Percentage of actually given course content:	90%			
- Untaught topics	antistatic, and anti radiation materials			
- extent of instructors' commitment to the course content	✓	> 85%	60 – 84%	< 60%
-Percentage of contents covered in the exam	✓	> 85%	60 – 84%	< 60%
- Teaching and learning methods: -	Face to face lecture			



	Tutorial / Exercise Group discussion Presentation Mini project Site visit Brain storming
- Student assessment: -	Final Examination (60%) Quizzes (6%) Sheets (10%) Mid-Term Examination (12%) Attendance (10%) Assignments and reports (2%)

3. The available teaching resources

- Scientific References	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
- Helping tools	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
- Supplies and materials	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
4. Administrative constraints	Not exist
5. Results of course evaluation by students:	<p>Satisfied to some extent with total percentage equal [76.51%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [84.66%] - Staff → [81.42%] - Available resources → [82%] - Student assessment methods → [78.66%] - Co-Staff (1) → [89%] - Co-Staff (2) → [43.33%]
6. Suggestions for course enhancement:	<ul style="list-style-type: none"> • Arrange regular visits to construction sites to observe real-world building processes. • Focus on current trends, challenges, and best



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practices in building construction.					
7. External evaluator's comments:	No Comment				
8. Achieved actions from previous year	<ul style="list-style-type: none"> Divide the number of exercise hours over more than one day per week. 				
9. non-achieved actions from previous year	--				
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Site Visits and Field Trips	Arrange regular visits to construction sites to observe real-world building processes.	Course coordinator	2024-2025	4000L.E
2.	Industry Expert Lectures	Focus on current trends, challenges, and best practices in building construction.	Head of Department	2024-2025	5000L.E

	Name	Signature
Course coordinator:	Dr. Huda Mohamed EL-Baz	<i>Huda Albaz</i>
Program coordinator:	Prof. Dr. Tarek AbouOuf	<i>Tarek AbouOuf</i>
Head of Department:	Prof. Dr. Tarek AbouOuf	<i>Tarek AbouOuf</i>
Dean:	Prof. Dr. Attia Aref	<i>Attia Aref</i>
Date	2024	



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ARE 224 Building physics and environmental control course Report

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Architecture Engineering Department

A. Basic Information: -

1. Course title:	Building physics and environmental control	Course code:	ARE 224
2. Program Name:	Architecture Engineering program		
3. Academic year	Second year	Semester	2 nd Semester
4. Number of weekly contact hours:			
Lecture		Tut./Lab.	Total contact
2		2	4
5. The system followed for selecting the examination committee		The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.	
6. External evaluation of the exam:		[✓] Applied [] Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"	
7. Names of professors/ lecturers contributing in course		1. Dr. Marwa al-adham 2. Eng. Menna nasser	

B. Statistical Information: -

1. Statistics

- No. of students starting the course	24		
- No. of students attending the course	24		
- Results	No. of Passed Students	19	Percentage (%)
	No. of Failed Students	4	Percentage (%)



4. Grading of students passing the course:

Pass	Good	Very Good	Excellent	Comments:										
12	4	1	2	According to the graph 19 of students were succeeded and 7 student have a grade more than good and also the curve was almost in normal distribution										
<table border="1"> <caption>Grade Distribution</caption> <thead> <tr> <th>Grade</th> <th>Count</th> </tr> </thead> <tbody> <tr> <td>Pass</td> <td>12</td> </tr> <tr> <td>Good</td> <td>4</td> </tr> <tr> <td>Very Good</td> <td>1</td> </tr> <tr> <td>Excellent</td> <td>2</td> </tr> </tbody> </table>				Grade	Count	Pass	12	Good	4	Very Good	1	Excellent	2	
Grade	Count													
Pass	12													
Good	4													
Very Good	1													
Excellent	2													

2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week		
		Tut./Lab.	lecture	Total
1	Building physics: physical and mechanical properties of building materials	2	2	4
2	Thermodynamics and heat transfer	2	2	4
3-4	Thermal behavior of building elements (walls, roofs, and floors)	4	4	8
5	Time lag	2	2	4
6	Thermal storage	2	2	4
7	Mid Term Exam			
8-9	Thermal isolation - acoustics	4	4	8
10	Dampness in buildings and controls	2	2	4
11-12	Environment control: The natural environment and climatic factors – human thermal comfort in building interiors	4	4	8
13-14	Design of buildings and Windows to adapt with their surrounding environments -landscaping and use of trees for shading, air purification, and control of ventilating patterns - protection from desertification.	4	4	8
15	Final Exam			



- Percentage of actually given course content:	88%				
- Untaught topics	Landscaping and use of trees for shading, air purification, and control of ventilating patterns - protection from desertification.				
- extent of instructors' commitment to the course content	√	> 85%	60 – 84%		< 60%
-Percentage of contents covered in the exam	√	> 85%	60 – 84%		< 60%
- Teaching and learning methods: -	Lecture-based learning Online-based learning Tutorial / Exercise Group discussion Laboratory Site visit Self-Learning Presentation Mini project Research and reporting Brain storming Case study				
- Student assessment: -	Final Examination (60%) Quizzes (6%) Sheets (4%) Mid-Term Examination (18%) Attendance (10 5%) Assignments and reports (2%)				

3. The available teaching resources

- Scientific References	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
- Helping tools	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent



		[] Not available			
- Supplies and materials		<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available			
4. Administrative constraints		Not exist			
5. Results of course evaluation by students:		<p>Satisfied to some extent with total percentage equal [86.8%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [86.8%] - Staff → [74.57%] - Available resources → [83.2%] - Student assessment methods → [85.33%] - Co-Staff (1) → [67%] 			
6. Suggestions for course enhancement:		<ul style="list-style-type: none"> • Increase architectural drafting workshops 			
7. External evaluator's comments:		No Comment			
8. Achieved actions from previous year		Increase the number of session hours			
9. non-achieved actions from previous year		<ul style="list-style-type: none"> • Increase architectural drafting workshops 			
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	<ul style="list-style-type: none"> • Increase architectural drafting workshops 	Course coordinator	2024-2025	--



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	Name	Signature
Course coordinator:	Dr. Marwa al-adham	
Program coordinator:	Prof. Dr. tarek abou ouf	
Head of Department:	Prof. Dr. tarek abou ouf	
Dean:	Prof. Dr. Atteia Aref	
Date	2024	



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ARE 311 Architectural design (5) course Report

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Architecture Engineering Department

A. Basic Information: -

1. Course title:	Architectural design (5)		Course code:	ARE 311
2. Program Name:	Architecture Engineering program			
3. Academic year	Third year		Semester	1 nd semester
4. Number of weekly contact hours:				
		Lecture	Tut./Lab.	Total contact
2		4		6
5. The system followed for selecting the examination committee	The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.			
6. External evaluation of the exam:	<input checked="" type="checkbox"/> Applied <input type="checkbox"/> Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"			
7. Names of professors/ lecturers contributing in course	1. Prof. Dr. Marwa Atef 2. Eng. Aya Tarek (1) 3. Eng. Mohamed Assasa (2)			

B. Statistical Information: -

1. Statistics

- No. of students starting the course				23
- No. of students attending the course				23
- Results	No. of Passed Students	23	Percentage (%)	100%
	No. of Failed Students	0	Percentage (%)	0%



4. Grading of students passing the course:

Pass	Good	Very Good	Excellent
0	7	9	7
			Comments: According to the graph 21 of students were succeeded and 21 student have a grade more than good and also the curve wasn't in normal distribution

2. Course Teaching: -

- Topics Taught: -

W e e k	Topics	Lecture	T/L
1	Introduction to the strategic environmental studies	2	4
2-3	Studies of projects(the Egyptian Code for Hospitals - Site and urban studies	4	8
4	raising efficiency in the design process architectural projects characterized with complicated, diversified elements	2	4
5-6	(Theories and foundations of hospital design-zoning analysis + project programming- The master plan -other plans)	4	8
7	Mid Term Exam		



Week	Topics	Lecture	T/L
8-9	significance of structural concept in shaping and formulating architectural spaces(formation vocabulary and construction systems)	4	8
10	Sketch design for elevations and sections	2	4
11-12	Study of external environmental conditions and development of students' perception of urban forms (Sustainability in architecture and urbanism)	4	8
13	the kind of relationship between external volumes and building shapes(Model simulation workshop)	2	4
14	Final submission of the project	2	4
15	Final Exam		

- Percentage of actually given course content:	95%				
- Untaught topics	Model simulation workshop				
- extent of instructors' commitment to the course content	✓	> 85%		60 – 84%	< 60%
-Percentage of contents covered in the exam	✓	> 85%		60 – 84%	< 60%
- Teaching and learning methods: -	Face to face lecture Online education (Asynchronous) Tutorial / Exercise Group discussion Site visit Self-Learning Presentation				



- Student assessment: -	Mini project Research and reporting Brainstorming Case study Final Examination (40%) Quizzes (15.43%) Sheets (12.86%) Mid-Term Examination (7.71%) Attendance (12.86%) Assignments and reports (2.57%) Oral/Practical (8.57%)
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3. The available teaching resources

- Scientific References	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
- Helping tools	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
- Supplies and materials	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
4. Administrative constraints	Not exist



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5. Results of course evaluation by students:	<p>Satisfied to some extent with total percentage equal [86.5%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [86.6%] - Staff → [87.57%] - Available resources → [81%] - Student assessment methods → [83.3%] - Co-Staff (1) → [85.66%] - Co-Staff (2) → [81%] 				
6. Suggestions for course enhancement:	<p>Increasing workshops for Model simulation.</p>				
7. External evaluator's comments:	<p>No Comment</p>				
8. Achieved actions from previous year	<ul style="list-style-type: none"> • Divide the number of exercise hours over more than one day per week. • Increasing workshops for architectural directing. 				
9. non-achieved actions from previous year	<ul style="list-style-type: none"> • Increasing workshops for Model simulation. 				
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
2.	Teaching	Increasing workshops for Model simulation.	Course coordinator	2024-2025	--

	Name	Signature
Course coordinator:	Prof. Dr. Marwa Atef	
Program coordinator:	Prof. Dr. Tarek AbouOuf	
Head of Department:	Prof. Dr. Tarek AbouOuf	
Dean:	Prof. Dr. Attia Aref	
Date	2024	



ARE 312 Executive designs (1) course Report

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Architecture Engineering Department

A. Basic Information: -

1. Course title:	Executive designs (1)	Course code:	ARE 312						
2. Program Name:	Architecture Engineering program								
3. Academic year	Third year	Semester	1 nd semester						
4. Number of weekly contact hours:									
<table border="1"> <tr> <th>Lecture</th> <th>Tut./Lab.</th> <th>Total contact</th> </tr> <tr> <td>1</td> <td>4</td> <td>5</td> </tr> </table>		Lecture	Tut./Lab.	Total contact	1	4	5		
Lecture	Tut./Lab.	Total contact							
1	4	5							
5. The system followed for selecting the examination committee	<p>The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.</p>								
6. External evaluation of the exam:	<p><input checked="" type="checkbox"/> Applied <input type="checkbox"/> Not applied</p> <p>Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"</p>								
7. Names of professors/ lecturers contributing in course	<p>1. Dr. Huda Al Baz 2. Eng. Aya Tarek (1) 3. Eng. Rahaf Ibrahim (2)</p>								

B. Statistical Information: -

1. Statistics

- No. of students starting the course	23		
- No. of students attending the course	23		
- Results	No. of Passed Students	23	Percentage (%)
	No. of Failed Students	0	Percentage (%)



4. Grading of students passing the course:

Pass	Good	Very Good	Excellent	Comments:
6	8	5	4	According to the graph 23 of students were succeeded and 17 student have a grade more than good and also the curve wasn't in normal distribution

2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week		
		lecture	Tut./lab	Total
1-2	Detailed study and preparation of the various and recent structural systems covering wide spans in buildings (Redesign of the Mall design project - X-ref plans)	2	8	10
3-6	Preparation of the complete working drawings of project with wide-span facilities (Plans floor – sections)	4	16	20
7	Mid Term Exam			
8-9	Preparation of the complete working details of project - Elevations - Stairs (plans+section) - Detailed sections Door+window details	2	8	10



Week	Topics	No. of hr/week		
		lecture	Tut./lab	Total
10-12	(continued) Preparation of the complete working details of project - Elevations - Stairs (plans+section) - Detailed sections - Door+window details	3	12	15
13	field visits to similar projects(Layout+sitting out)	1	4	5
14	project discussion & Revision	1	4	5
15	Final Exam			

- Percentage of actually given course content:	95%				
- Untaught topics	Working details of project (sitting out)				
- extent of instructors' commitment to the course content	√	> 85%		60 – 84%	< 60%
-Percentage of contents covered in the exam	√	> 85%		60 – 84%	< 60%
- Teaching and learning methods: -	Face to face lecture Tutorial / Exercise Group discussion Presentation Mini project Research and reporting Brain storming Case study				
- Student assessment: -	Final Examination (40%) Quizzes (7.5%) Sheets (12.5%) Mid-Term Examination (15%) Attendance (12. 5%) Assignments and reports (2.5%) Oral/Practice (10%)				



3. The available teaching resources

- Scientific References	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
- Helping tools	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
- Supplies and materials	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
4. Administrative constraints	Not exist
5. Results of course evaluation by students:	<p>Satisfied to some extent with total percentage equal [73.85%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [70%] - Staff → [71.4%] - Available resources → [72%] - Student assessment methods → [70.7%] - Co-Staff (1) → [80.3%] - Co-Staff (2) → [78.7%]
6. Suggestions for course enhancement:	<ul style="list-style-type: none"> • Increase the lecture for explain Working details of project (sitting out)
7. External evaluator's comments:	No Comment
8. Achieved actions from previous year	<ul style="list-style-type: none"> • Increasing workshops for architectural directing
9. non-achieved actions from previous year	First time introducing the course
10. Action plan for current semester:	



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No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	Increasing workshops for architectural directing	Course coordinator	2024-2025	--
2.	Teaching	Increase the lecture for explain Working details of project (sitting out)	Member of Administration	2024-2025	--

	Name	Signature
Course coordinator:	Dr. Huda Al Baz	Dr Huda
Program coordinator:	Prof. Dr. Tarek Abou Ouf	Dr. Tarek
Head of Department:	Prof. Dr. Tarek Abou Ouf	Dr. Tarek
Dean:	Prof. Dr. Atteia Aref	Atteia Aref
Date	September 2023	



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وزارة التعليم العالي
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منشاً بالقرار الوزاري رقم (2354) لسنة 2019

ARE 321 Architectural design (6) course Report

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Architectural Engineering Program

A. Basic Information: -

1. Course title:	Architectural design (6)	Course code:	ARE 321
2. Program Name:	Architectural Engineering program		
3. Academic year	Third year	Semester	2 nd semester
4. Number of weekly contact hours:			
Lecture		Tut./Lab.	Total contact
2		5	7
5. The system followed for selecting the examination committee		The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.	
6. External evaluation of the exam:		<input checked="" type="checkbox"/> Applied <input type="checkbox"/> Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"	
7. Names of professors/ lecturers contributing in course		1. Prof. Dr. Tarek AbouOuf 2. Eng. Aya Tarek (1) 3. Eng. Dina Rizk (2)	

B. Statistical Information: -

1. Statistics

- No. of students starting the course	23		
- No. of students attending the course	23		
- Results	No. of Passed Students	23	Percentage (%)
	No. of Failed Students	0	Percentage (%)



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4. Grading of students passing the course:

Pass	Good	Very Good	Excellent
2	6	4	9
<p>Comments: According to the graph all of 21 students were succeeded and more than 17 student have a grade more than good and also the curve wasn't in normal distribution</p>			



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2. Course Teaching: -

- Topics Taught: -

Week	Topics	Lecture	T/L	Course Learning outcomes "LOs"						
				LO1	LO2	LO3	LO4	LO5	LO6	LO7
1-3	The course concentrates on enhancing the students skills in developing alleviating the environmental-design (Site Analysis)	6	15	x	x					
4-6	Enhance the students skills in developing architectural solutions (Design Concept, Formation principles)	6	15			x	x			
7	Mid Term Exam									
8-11	problems-studying a variety of structural solutions to help construct wide-span structures (Functional and structural requirements -Project considerations)	8	20						x	
12	study of natural ands mechanical ventilation-study of artificial and daylighting (Sustainable architecture)	2	5					x		
13	Use of computer applications and programs in designing, developing, and presenting architectural projects- applications with help of simplified architectural models(Define and solve the problems of the design	2	5							x
14	Final submission of the project	2	5				x			x
15	Final Exam									



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- Percentage of actually given course content:	90%				
- Untaught topics	Define and solve the problems of the design				
- extent of instructors' commitment to the course content	√	> 85%	60 – 84%		< 60%
-Percentage of contents covered in the exam	√	> 85%	60 – 84%		< 60%
- Teaching and learning methods: -	Face to face lecture Online- education (Asynchronous) Tutorial / Exercise Group discussion Site visit Self-Learning Presentation Mini project Research and reporting Brainstorming Case study				
- Student assessment: -	Mid-Term (13.5%) Quizzes (6.75%) Attendance (11.25%) Final Exam (45%) Sheets (11.25%) Assignments and reports (2.25%)				
3. The available teaching resources					
- Scientific References	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available				
- Helping tools	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent				



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	<input type="checkbox"/> Not available <input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available				
- Supplies and materials	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available				
4. Administrative constraints	Not exist				
5. Results of course evaluation by students:	<p>Satisfied to some extent with percentage equal [90.00%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [88.6%] - Staff → [92.25%] - Available resources → [90.8%] - Student assessment methods → [92.6%] - Co-Staff (1) → [94.6%] - Co-Staff (2) → [89.33%] 				
6. Suggestions for course enhancement:	<ul style="list-style-type: none"> • Increasing brain-storm workshop 				
7. External evaluator's comments:	No Comment				
8. Achieved actions from previous year	<ul style="list-style-type: none"> • Introducing new topics or trends in architectural design. • Using technology to support learning, such as 3D modeling software, VR simulations, or online design platforms. • Introducing new topics such as define and solve the problems of the design 				
9. non-achieved actions from previous year	<p>-----</p>				
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost



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1.	Teaching	Increasing brain-storm workshop	Course coordinator	2024-2024	--
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	Name	Signature
Course coordinator:	Prof. Dr. Tarek AbouOuf	
Program coordinator:	Prof. Dr. Tarek AbouOuf	
Head of Department:	Prof. Dr. Tarek AbouOuf	
Dean:	Prof. Dr. Attia Aref	
Date	2024	



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Landscape design Course Report

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Architecture Engineering Department

A. Basic Information: -

1. Course title:	Urban Conservation and Maintenance	Course code:	ARE 321E
2. Program Name:	Architecture Engineering program		
3. Academic year	Third Year	Semester	2 nd semester
4. Number of weekly contact hours:			
	Lecture	Tut./Lab.	Total contact
	2	2	4
5. The system followed for selecting the examination committee	The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.		
6. External evaluation of the exam:	<input checked="" type="checkbox"/> Applied <input type="checkbox"/> Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"		
7. Names of professors/ lecturers contributing in course	1. Dr. Marwa Al-Adham 2. Eng. Rahaf Ibrahim (1)		

B. Statistical Information: -

1. Statistics

- No. of students starting the course	23		
- No. of students attending the course	23		
- Results	No. of Passed Students	19	Percentage (%)
	No. of Failed Students	4	Percentage (%)



4. Grading of students passing the course:

Pass	Good	Very Good	Excellent	Comments:
14	2	2	1	According to the graph, 19 students succeeded and 5 students received a grade of more than good, and the curve was also in an almost non-normal distribution.

2. Course Teaching: -

- Topics Taught: -

Week	Topics	NO. Of hr/week		
		T/L	Lecture	Total
1 - 3	. Analytical studies of kite characteristics and its surrounding environment	6	6	12
4-5	Urban database	6	6	12
7	Mid Term Exam			
8	. Social, economic, and cultural database	2	2	4
9-10	. Detailed study of transportation within the site	4	4	8
11-12	. Numerical analysis of functional relationships of the site study of design and shaping the space and the visual form	4	4	8
13-14	. Project of urban design and infrastructure planning	4	4	8
15	Final Exam			



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- Percentage of actually given course content:	95%				
- Untaught topics					
- extent of instructors' commitment to the course content	✓	> 85%	60 – 84%		< 60%
-Percentage of contents covered in the exam	✓	> 85%	60 – 84%		< 60%
- Teaching and learning methods: -	Face to face lecture Tutorial / Exercise Group discussion Presentation Site visit Brain storming Research and reporting				
- Student assessment: -	Final Examination (70%) Quizzes (4.5%) Sheets (7.5%) Mid-Term Examination (9%) Attendance (7.5 5%) Assignments and reports (1.5%)				
3. The available teaching resources					
- Scientific References	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available				
- Helping tools	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available				
- Supplies and materials	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available				
4. Administrative constraints	Not exist				



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<p>5. Results of course evaluation by students:</p>	<p>Satisfied to some extent with total percentage equal [86.8%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [88.67%] - Staff → [91.4%] - Available resources → [90.4%] - Student assessment methods → [92.67%] - Co-Staff (1) → [73.67%] 				
<p>6. Suggestions for course enhancement:</p>	<ul style="list-style-type: none"> • The exam must contain parts that measure the students' levels • Increase architectural drafting workshops 				
<p>7. External evaluator's comments:</p>	<p>No Comment</p>				
<p>8. Achieved actions from previous year</p>	<p>First time introducing the course</p>				
<p>9. non-achieved actions from previous year</p>	<p>Increase architectural drafting workshops</p>				
<p>10. Action plan for current semester:</p>					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	<ul style="list-style-type: none"> • The exam must contain parts that measure the students' levels 	Course coordinator	2024-2025	--

	Name	Signature
Course coordinator:	Dr. Marwa Al-Adham	
Program coordinator:	Prof. Dr. Tarek Abou Ouf	
Head of Department:	Prof. Dr. Tarek Abou Ouf	
Dean:	Prof. Dr. Atteia Aref	
Date	2024	



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ARE 411E Architectural criticism and competition

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Architectural Engineering Department

A. Basic Information: -

1. Course title:	Architectural criticism and competition		Course code:	ARE 411E
2. Program Name:	Architectural Engineering Program			
3. Academic year	Fourth year		Semester	1 st Semester
4. Number of weekly contact hours:				
Lecture		Tut./Lab.	Total contact	
4		-	4	
5. The system followed for selecting the examination committee			The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.	
6. External evaluation of the exam:			[<input checked="" type="checkbox"/>] Applied [<input type="checkbox"/>] Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"	
7. Names of professors/ lecturers contributing in course			1. Prof. Dr. Tarek AbouOuf	

B. Statistical Information: -

1. Statistics

- No. of students starting the course	21			
- No. of students attending the course	21			
- Results	No. of Passed Students	21	Percentage (%)	100%



No. of Failed Students	0	Percentage (%)	0%
4. Grading of students passing the course:			

Pass	Good	Very Good	Excellent
3	0	5	16



Comments:

According to the graph All 21 students achieved high grades, with 16 receiving "Excellent" and 5 receiving "Very Good." This distribution indicates an exceptional overall performance, with a significant majority of students achieving the highest possible grades. The absence of "Good" and "Pass" grades suggests a consistently high level of understanding and application of the course material among the students. These results reflect highly effective teaching methods and a strong grasp of the subject



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		matter by the students.
--	--	-------------------------

2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week		
		Tutorial	lecture	Total
1	Defining the concepts and history of architectural criticism.	-	4	4
2-3	Tools and parameters of architectural criticism- outlines of architectural criticism trends and concepts.	-	8	8
4-6	criteria and principals of architectural criticism, evaluation and assessment	-	12	12
7	Mid Term Exam			
8-11	defining the concept of architectural competitions, their importance, and their aims- concepts and trends of design	-	16	16
12-14	Preparation of drawings and technical reports application studies of architectural criticism processes.	-	12	12
15	Final Exam			

- Percentage of actually given course content:	95%				
- Untaught topics	Pen Techniques, Ink.				
- extent of instructors' commitment to the course content	√	> 85%	60 – 84%	< 60%	
-Percentage of contents covered in the exam	√	> 85%	60 – 84%	< 60%	
- Teaching and learning methods: -	Lecture-based learning				



<p>- Student assessment: -</p>	<p>Tutorial / Exercise Group discussion Presentation Mini-project Research and reporting Brain storming Quizzes (4.5%) Reports (1.5%) Sheets (3%) Mid-term Exam (13.5%) Attendance (7.5%) Laboratory (0%) Final written exam (70%)</p>
<p>3. The available teaching resources</p>	
<p>- Scientific References</p>	<p><input checked="" type="checkbox"/> Available [] Available to some extent [] Not available</p>
<p>- Helping tools</p>	<p><input checked="" type="checkbox"/> Available [] Available to some extent [] Not available</p>
<p>- Supplies and materials</p>	<p><input checked="" type="checkbox"/> Available [] Available to some extent [] Not available</p>
<p>4. Administrative constraints</p>	<p>Not exist</p>
<p>5. Results of course evaluation by students:</p>	<p>Satisfied to some extent with total percentage equal [70.7 %] and subsection percentage:</p>
<ul style="list-style-type: none"> - Educational effectiveness → [73.33%] - Staff → [71.14%] - Available resources → [69%] - Student assessment methods → [69.33%] 	
<p>6. Suggestions for course enhancement:</p>	<ul style="list-style-type: none"> • Organize mock competitions where students



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	can participate in design challenges. <ul style="list-style-type: none"> • Integrate the use of digital tools and software for design presentation and visualization. • Arrange visits to award-winning buildings and significant architectural sites.
7. External evaluator's comments:	No Comment
8. Achieved actions from previous year	First time introducing the course
9. non-achieved actions from previous year	First time introducing the course

10. Action plan for current semester:

No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching - Hands-On Competition Projects	Organize mock competitions where students can participate in design challenges.	Head of Department	2024-2025	4000L.E
2.	Technology and Software	•Integrate the use of digital tools and software for design presentation and visualization.	Course coordinator	2024-2025	1000L.E
3.	Field Trips and Site Visits	Arrange visits to award-winning buildings and significant architectural sites.	Course coordinator	2024-2025	6000L.E

	Name	Signature
Course coordinator:	Prof. Dr. Tarek AbouOuf	
Program coordinator:	Prof. Dr. Tarek AbouOuf	
Head of Department:	Prof. Dr. Tarek AbouOuf	
Dean:	Prof. Dr. Attia Aref	
Date	September 2024.	



وحدة ضمان الجودة



وزارة التعليم العالي
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منشأ بالقرار الوزاري رقم (2354) لسنة 2019

ARE 411 Executive design 3 course Report

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Architectural Engineering Program

A. Basic Information: -

1. Course title:	Executive design 3	Course code:	ARE 411
2. Program Name:	Architectural Engineering program		
3. Academic year	Fourth year	Semester	1 st semester
4. Number of weekly contact hours:			
Lecture 1		Tut./Lab. 4	Total contact 5
5. The system followed for selecting the examination committee		The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.	
6. External evaluation of the exam:		<input checked="" type="checkbox"/> Applied <input type="checkbox"/> Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"	
7. Names of professors/ lecturers contributing in course		1. Dr. Marwa El-Adham 2 .Arch. Howyda Elnakeeb(1) 3. Arch. Aya Tarek (2)	

B. Statistical Information: -

1. Statistics

- No. of students starting the course	21			
- No. of students attending the course	21			
- Results	No. of Passed Students	21	Percentage (%)	100%
	No. of Failed Students	0	Percentage (%)	0%



4. Grading of students passing the course:

Pass	Good	Very Good	Excellent
0	5	9	7
			Comments: According to the graph all of 21 students were succeeded and more than 20 student have a grade more than good and also the curve wasn't in normal distribution



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2. Course Teaching: -

- Topics Taught: -

Week	Topics	Lecture	T/L	Course Learning outcomes "CLOs"					
				LO1	LO2	LO3	LO4	LO5	LO6
1-3	Introduction how to prepare a complete group of executive architectural design drawing for a project with a specific function characterized with wide span	3	12	x					
4-6	making studies and detailed architectural drawings of cladding (internal and external) suspended ceilings.	3	12		x	x			
7	Mid Term Exam								
8-11	Studying acoustical treatments, damp and water proofing, thermal insulation, lighting, furniture, technical facilities and supplements	4	16				x		
12	Applying legislations and building codes	1	4		x			x	
13	Use of computer programs in calculating and preparing the quantitative preconditions.	1	4					x	x
14	Final submission of the project	1	4						x
15	Final Exam								



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- Percentage of actually given course content:	80%				
- Untaught topics	Define and solve the problems of the design				
- extent of instructors' commitment to the course content	> 85%	✓	60 – 84%		< 60%
-Percentage of contents covered in the exam	> 85%	✓	60 – 84%		< 60%
- Teaching and learning methods: -	Face to face lecture Online education (Asynchronous) Tutorial / Exercise Group discussion Laboratory Self-Learning Presentation Mini project Research and reporting Brainstorming				
- Student assessment: -	Mid-Term (15%) Quizzes (7.5%) Attendance (12.5%) Final Exam (40%) Sheets (12.5%) Assignments and reports (2.5%) Oral/Practical (10)%				
3. The available teaching resources					
- Scientific References	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available				
- Helping tools	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent				



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	<input type="checkbox"/> Not available				
- Supplies and materials	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available				
4. Administrative constraints	Not exist				
5. Results of course evaluation by students:	Satisfied to some extent with percentage equal [89.00%] and subsection percentage: - Educational effectiveness → [40%] - Staff → [38%] - Available resources → [46.5%] - Student assessment methods → [40.6%] - Co-Staff (1) → [62.6%] - Co-Staff (2) → [64.3%]				
6. Suggestions for course enhancement:	<ul style="list-style-type: none"> Using a variety of teaching methods, such as discussions, case studies and simulations to keep students engaged and active learners. Increase the lecture for explain Working details of project 				
7. External evaluator's comments:	No Comment				
8. Achieved actions from previous year	First time introducing the course				
9. non-achieved actions from previous year	First time introducing the course				
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost



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1.	Teaching	Using a variety of teaching methods, such as discussions, case studies and simulations to keep students engaged and active learners.	Course coordinator	2024-2025	--
2.	Teaching	Increase the lecture for explain Working details of project	Course coordinator	2024-2025	--

	Name	Signature
Course coordinator:	Dr. Marwa El-Adham	
Program coordinator:	Prof. Dr. Tarek AbouOuf	
Head of Department:	Prof. Dr. Tarek AbouOuf	
Dean:	Prof. Dr. Attia Aref	
Date	2024	



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ARE 421 Housing and urban design (2)

University/Academy	Manzalla Academy for Science and Technology		
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla		
Department	Architectural Engineering Program		

A. Basic Information: -

1. Course title:	Housing and urban design (2)		Course code:	ARE 421		
2. Program Name:	Architectural Engineering program					
3. Academic year	Fourth year		Semester	2 nd Semester		
4. Number of weekly contact hours:						
Lecture		Tut./Lab.	Total contact			
2		4	6			
5. The system followed for selecting the examination committee						
The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.						
6. External evaluation of the exam:						
[√] Applied [] Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"						
7. Names of professors/ lecturers contributing in course						
1. Dr. Alaa Morgan 2. Eng. Dina Rizk						

B. Statistical Information: -

1. Statistics

- No. of students starting the course	21			
- No. of students attending the course	21			
- Results	No. of Passed Students	21	Percentage (%)	100%
	No. of Failed Students	0	Percentage (%)	0%



4. Grading of students passing the course:

Pass	Good	Very Good	Excellent										
9	3	4	5										
<p>Bar chart showing the distribution of student grades:</p> <table border="1"><thead><tr><th>Grade</th><th>Number of Students</th></tr></thead><tbody><tr><td>Pass</td><td>9</td></tr><tr><td>Good</td><td>3</td></tr><tr><td>Very Good</td><td>4</td></tr><tr><td>Excellent</td><td>5</td></tr></tbody></table>				Grade	Number of Students	Pass	9	Good	3	Very Good	4	Excellent	5
Grade	Number of Students												
Pass	9												
Good	3												
Very Good	4												
Excellent	5												

Comments:
According to the graph all of 21 students were succeeded and more than 12 student have a grade more than good and also the curve wasn't in normal distribution



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2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week		
		Tut./Lab.	lecture	total
1-2	Principals and theories of land use- residential, commercial, and industrial areas	8	4	12
3-4	open areas- green areas in city centers transportation network and paths	8	4	12
5-6	services and feasibilities-Defining the housing problem in developing countries-the variety of approaches and trends dealing with the housing problem- social, cultural, and economical factors	8	4	12
7	Mid Term Exam			
8-9	user participation and role in the study phase and problem solving	8	4	12
10-12	composite planning and housing project with surveying and assessment of planning and housing problems of an existent area	8	4	12
13-14	Redesign and planning of the existent area and making use of the results in planning for a new area.	8	4	12
15	Final Exam			

- Percentage of actually given course content:	80%				
- Untaught topics	Define and solve the problems of the design				
- extent of instructors' commitment to the course content	> 85%	✓	60 – 84%		< 60%
-Percentage of contents covered in the exam	> 85%	✓	60 – 84%		< 60%



<p>- Teaching and learning methods: -</p>	<p>Face to face lecture Online education Tutorial / Exercise Group discussion Laboratory Site visit Self-Learning Presentation Mini-project Research and reporting* Brain storming Case study</p>
<p>- Student assessment: -</p>	<p>Mid-Term (12%) Quizzes (6%) Attendance (10%) Final Exam (60%) Sheets (10%) Assignments and reports 2 %</p>

3. The available teaching resources

<p>- Scientific References</p>	<p><input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available</p>
<p>- Helping tools</p>	<p><input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available</p>
<p>- Supplies and materials</p>	<p><input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available</p>
<p>4. Administrative constraints</p>	<p>Not exist</p>
<p>5. Results of course evaluation by students:</p>	<p>Satisfied to some extent with percentage equal [49%] and subsection percentage:</p>



		<ul style="list-style-type: none"> - Educational effectiveness → [58.66%] - Staff → [53.7%] - Available resources → [61.33%] - Student assessment methods → [41%] - Co-Staff (2) → [30%] 			
6. Suggestions for course enhancement:		<ul style="list-style-type: none"> • Using a variety of teaching methods, such as discussions, case studies and, simulations to keep students engaged and active learners. • Introducing new topics such as define and solve the problems of the design & preparation of mechanical drawings of architecturally design projects. 			
7. External evaluator's comments:		No Comment			
8. Achieved actions from previous year		No Comment			
9. non-achieved actions from previous year		No Comment			
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	Introducing new topics such as define and solve the problems of the urban design.	Course coordinator	2024-2025	--
2.	Teaching	Using a variety of teaching methods, such as discussions, case studies and, simulations to keep students engaged and active learners.	Course coordinator	2024-2025	--



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	Name	Signature
Course coordinator:	Dr Alaa Morgan	
Program coordinator:	Prof. Dr. Tarek Abu Ouf	
Head of Department:	Prof. Dr. Tarek Abu Ouf	
Dean:	Prof. Dr. Atteia Aref	
Date	July 2024	



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وزارة التعليم العالي
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Urban renovation and upgrading Report

University/Academy	Manzalla Academy for Science and Technology
Faculty/Institute	Higher Institute of Engineering and Technology at Manzalla
Department	Architecture department

A. Basic Information: -

1. Course title:	Urban renovation and upgrading	Course code:	ARE 422X		
2. Program Name:	Architecture Engineering program				
3. Academic year	Fourth year	Semester	2nd semester		
4. Number of weekly contact hours:					
Lecture	Tut./Lab.	Total contact			
2	2	4			
5. The system followed for selecting the examination committee	The examination committees are selected through the Department Council based on specialization. A second examiner is chosen within the same field as the first examiner.				
6. External evaluation of the exam:	<input checked="" type="checkbox"/> Applied <input type="checkbox"/> Not applied Through using "Evaluation of the Examination Paper in Terms of Form and content and Blue Print"				
7. Names of professors/ lecturers contributing in course	1. Prof. Dr Marwa adham 2. Engmohamed asasa (1)				

B. Statistical Information: -

1. Statistics

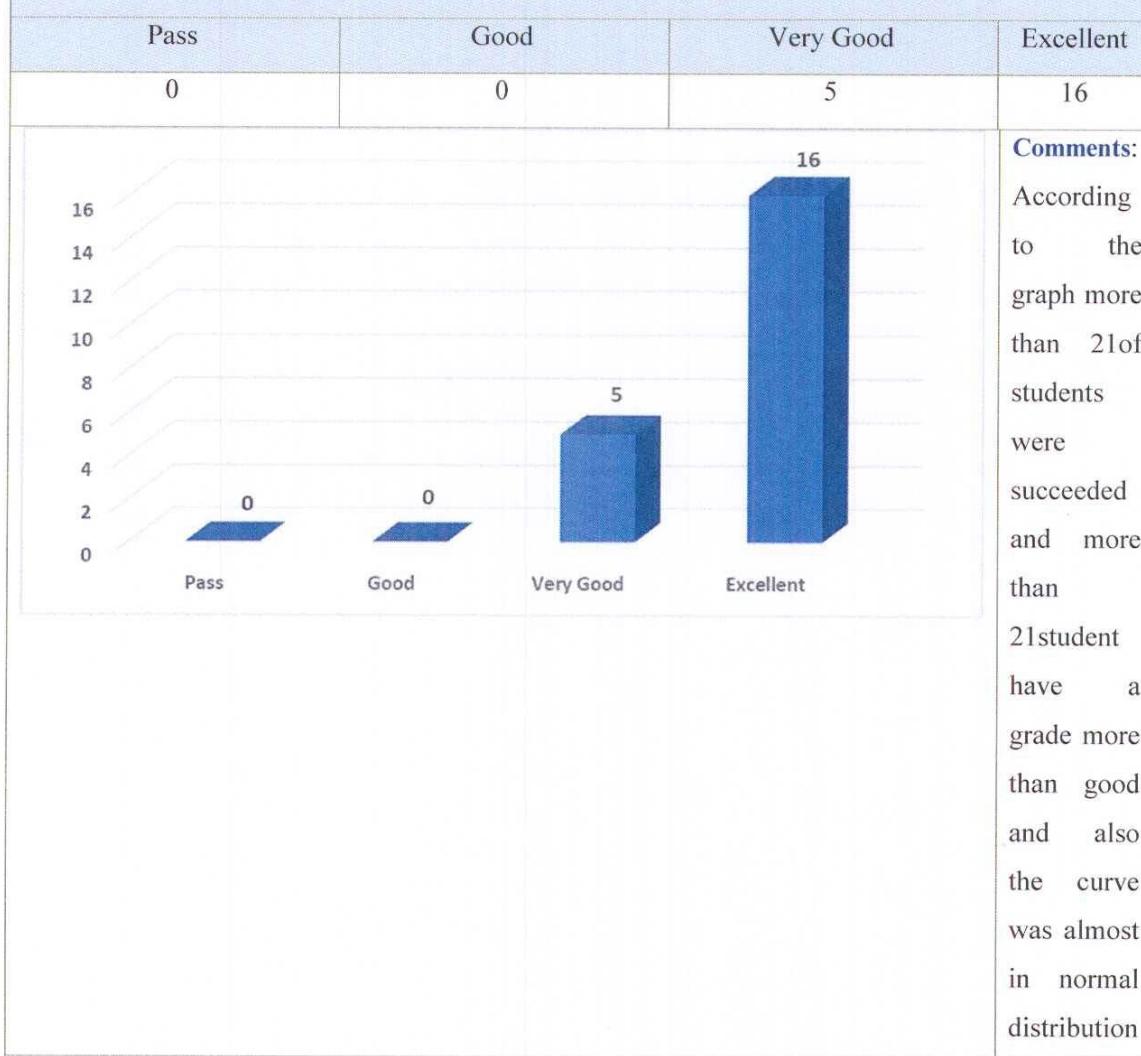
- No. of students starting the course	21		
- No. of students attending the course	21		
- Results	No. of Passed Students	21	Percentage (%)
	No. of Failed Students	0	Percentage (%)



وحدة ضمان الجودة

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4. Grading of students passing the course:





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2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week			
		Tutorial	Practical	lecture	Total
1-3	Introduction Maximum use of available environmental possibilities and human and urban resources Study of local and global experiments in development and upgrading	6		6	12
4	Standing problems of urban decay, its causes and factors	2		2	4
5	Tools and techniques of rectification used in renovation and upgrading	2		2	4
6	Conservation and maintenance	2		2	4
7	Mide term				
8-9	Case studies and applications Define problems, constraints, and potentials	4		4	8
10-12	Review analysis of problems, constraints, and potentials of the project area. General revision and students' questions	6		6	12
13	General revision and students' questions	2		2	4
14	Final submission of the project	2		2	4
15	Final Exam				



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- Percentage of actually given course content:	95%				
- Untaught topics	Applications on architectural				
- extent of instructors' commitment to the course content	√	> 85%	60 – 84%		< 60%
-Percentage of contents covered in the exam	√	> 85%	60 – 84%		< 60%
- Teaching and learning methods: -	Lecture-based learning Tutorial / Exercise Group discussion Laboratory Site visit Presentation Mini project Research and reporting Brain storming				
- Student assessment: -	%)70Final Examination(Quizzes(4.5%) Sheets(7.5%) Mid-Term Examination(9%) Attendance(7.5%) Assignments and reports(1.5%) Total(100%)				

3. The available teaching resources

- Scientific References	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
- Helping tools	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available
- Supplies and materials	<input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available



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4. Administrative constraints	Not exist				
5. Results of course evaluation by students:	<p>Satisfied to some extent with total percentage equal [65.1%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [81%] - Staff → [30%] - Available resources → [72%] - Student assessment methods → [73%] - Co-Staff (1) → [69.4%] - 				
6. Suggestions for course enhancement:	<ul style="list-style-type: none"> • A lot of creaseing on project of Urban renovation and upgrading 				
7. External evaluator's comments:	No Comment				
8. Achieved actions from previous year	<ul style="list-style-type: none"> • No Comment 				
9. non-achieved actions from previous year	No Comment				
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	<ul style="list-style-type: none"> • A lot of creaseing on project of Urban renovation and upgrading • Visit a lot of history bulding 	Course coordinator	2024-2025	--

	Name	Signature
Course coordinator:	Prof. Dr Marwa adham	
Program coordinator:	Prof. Dr Marwa adham	
Head of Department:	Prof. Dr. Tarek abou ouf	
Dean:	Prof. Dr. Atteia Aref	
Date	July 2024	