



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:	Architecture 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. Osama Moharib 2. Eng. Hamouda Abu El Dahab.		

B. Statistical Information: -

1. Statistics


- No. of students starting the course	129			
- No. of students attending the course	123			
- Results	No. of Passed Students	90	Percentage (%)	73.2%



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No. of Failed Students	33	Percentage (%)	26.8%
4. Grading of students passing the course:			
Pass	Good	Very Good	Excellent
39	18	18	15
			Comments: The graph shows that over 39 percent of students achieved success, over 33 had grades above good, and the curve was nearly in line with a normal distribution.

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			



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- 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	[√] Available [] Available to some extent [] Not available				
- Helping tools	[√] Available [] Available to some extent [] Not available				
-Supplies and materials	[√] Available [] Available to some extent [] Not available				
4. Administrative constraints	Not exist				



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5. Results of course evaluation by students:	Satisfied to some extent with total percentage equal [88.48%] and subsection percentage: <ul style="list-style-type: none">- Educational effectiveness → [87.2%]- Staff → [85.6%]- Available resources → [87.8%]- Student assessment methods → [88.2%]- Co-Staff → [93.6%]				
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">• Represent mathematical concepts in a variety of ways such as: pictures, diagrams, graphs, and other forms of visual, numeric, or manipulative models• Teach the untaught topics in the last year				
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	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.	Course coordinator	2023-2024	--



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2.	Teaching	Ask students to teach a proof or algorithm to a friend.	Course coordinator	2023-2024	--
3.	Teaching	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.	Course coordinator	2023-2024	--

	Name	Signature
Course coordinator:	Dr. Osama Moharib	
Program coordinator:	Prof. Dr. Ali Samir	
Head of Department:	Prof. Dr. Ali Samir	
Dean:	Prof. Dr. Atteia Aref	
Date	September 2023	



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Engineering and Environment 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 and Environment	Course code:	BS027
2. Program Name:	Architecture Engineering program		
3. Academic year	Preparatory year	Semester	2st semester
4. Number of weekly contact hours:			
	Lecture	Tut./Lab.	Total contact
	2	0	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	Prof. Dr. Atteia Aref		

B. Statistical Information: -

1. Statistics

- No. of students starting the course	122			
- No. of students attending the course	116			
- Results	No. of Passed Students	105	Percentage (%)	90.5%
	No. of Failed Students	11	Percentage (%)	9.5%

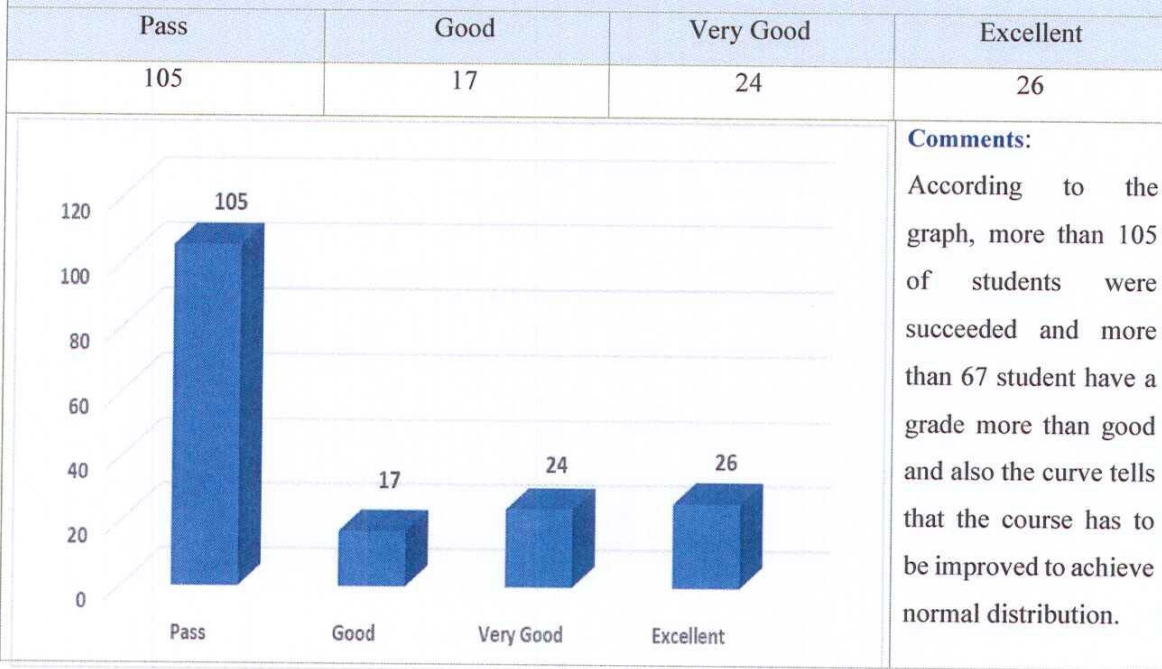


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4. Grading of students passing the course:





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2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week		
		Tut./Lab.	lecture	Total
1-2	Introduction to environmental science: Why studying environmental science- Integration of environmental components (elements).	--	4	4
3-4	Modern technology and its effect on the environment.	--	4	4
5-6	Environment and industrial planning- for environment protection- pollution and methods of controlling it.	--	4	4
7	Mid-Term Exam			
8	Engineering Entrance: what is engineering- Brief of the Engineering history.	--	2	2
9-10	Performance supports for the engineering history.	--	4	4
11	Performance supports for the engineering work.	--	2	2
12	Engineering work branches- International classification of the engineering jobs.	--	2	2
13	Planning and its important to the engineering work.	--	2	2
14	Increasing the ability of production and developing the productivity.	--	2	2
15	Final Exam			



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- Percentage of actually given course content:	94%			
- Untaught topics	Increasing the ability of production and developing the productivity.			
- 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 Research and reporting Group discussion			
- Student assessment: -	Mid-Term (13.5%) Quizzes (3%) Reports (1.5) Attendance (7.5%) Final Examination (70%) Sheets (4.5%)			
3. The available teaching resources				
- Scientific References	[√] Available [] Available to some extent [] Not available			
- Helping tools	[√] Available [] Available to some extent [] Not available			
- Supplies and materials	[√] Available [] Available to some extent [] Not available			
4. Administrative constraints	Not exist			



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5. Results of course evaluation by students:	Satisfied to some extent with total percentage equal [86.52%] and subsection percentage: - Educational effectiveness → [86.6 %] - Staff → [86.2 %] - Available resources → [86 %] - Student assessment methods → [87.3%]				
6. Suggestions for course enhancement:	<ul style="list-style-type: none">• Provide training, workshops, and opportunities for discussions on pertinent issues.• Presents engineering problems in a computational setting with emphasis on data science and problem abstraction. Covers exploratory data analysis and visualization, filtering, regression. Building basic machine learning models (classifiers, decision trees, clustering) for smart city applications. Labs and programming projects focused on analytics problems faced by cities, infrastructure, and environment. Students taking graduate version complete additional assignments and project work.				
7. External evaluator's comments:	No Comment				
8. Achieved actions from previous year	Introduces engineering principles for sustainable development of infrastructure, environmental, and societal systems.				
9. non-achieved actions from previous year	Consider participating in extracurricular activities, such as attending workshops, seminars, or conferences related to engineering and the environment.				
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	Provide training, workshops, and opportunities for discussions on pertinent issues.	Course coordinator	2022-2023	--
2	Teaching	Presents engineering problems in a computational setting with emphasis on data science and problem	Course coordinator	2022-2023	--



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		abstraction. Covers exploratory data analysis and visualization, filtering, regression. Building basic machine learning models (classifiers, decision trees, clustering) for smart city applications. Labs and programming projects focused on analytics problems faced by cities, infrastructure, and environment. Students taking graduate version complete additional assignments and project work.			
3.	Teaching	Consider participating in extracurricular activities, such as attending workshops, seminars, or conferences related to engineering and the environment.	Course coordinator	2022-2023	--

	Name	Signature
Course coordinator:	Prof. Dr. Atteia Aref	
Program coordinator:	Dr. Ali Samir	
Head of Department:	Dr. Ali Samir	
Dean:	Prof. Dr. Atteia Aref	
Date	September/2023	



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Production Engineering 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:	Production Engineering	Course code:	MECO26
2. Program Name:	Architecture Engineering program		
3. Academic year	Preparatory 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	Dr. Yassen EL Sayed Yassen Eng. Badr Elsaeed		

B. Statistical Information: -

1. Statistics

- No. of students starting the course			165	
- No. of students attending the course			152	
- Results	No. of Passed Students	126	Percentage (%)	82.9%
	No. of Failed Students	26	Percentage (%)	17.1%

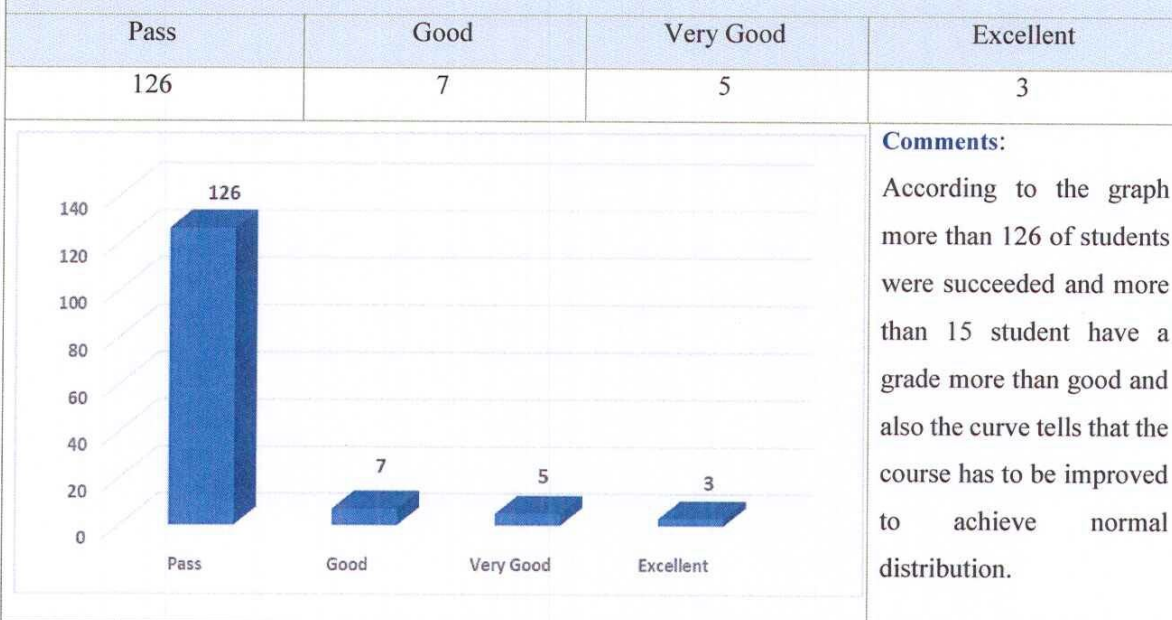


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4. Grading of students passing the course:



2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week			
		Tutorial	Practical	lecture	Total
1	Industrial safety	---	---	2	2
2-3	Introduction to engineering materials – Ferrous and non-ferrous metals – steel and castiron production furnaces	---	---	4	4
4-5	Simple measuring tools	---	---	4	4
6	Introduction to technological processes	---	---	2	2
7	Mid term				
8	Metal casting – metal forming – rolling – drawing – bending	----	----	2	2
9-10	Welding – milling – drilling – grinding	---	---	4	4
11-12	Lathing – production quality	---	---	4	4
13-14	Practices in different workshops	---	---	4	4



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15

Final Exam

- Percentage of actually given course content:	94%				
- Untaught topics	Practices in different workshops				
- 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 Research and reporting Group discussion				
- Student assessment: -	Mid-Term (12%) Quizzes (4%) Reports (2) Attendance (6%) Final Examination (60%) Sheets (4.5%)				
3. The available teaching resources					
- Scientific References	[√] Available [] Available to some extent [] Not available				
- Helping tools	[√] Available [] Available to some extent [] Not available				



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- 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 total percentage equal [%] and subsection percentage: - Educational effectiveness → [%] - Staff → [%] - Available resources → [%] - Student assessment methods → [%] - Eng. Badr Elsaad → [%]				
6. Suggestions for course enhancement:	Production Engineering management should include regular updating of new ideas and devising new methods. A great range of products stem for constant innovation; hence creativity is an indispensable skill required for entering this line.				
7. External evaluator's comments:	No Comment				
8. Achieved actions from previous year	Production Engineering management should include regular updating of new ideas and devising new methods. A great range of products stem for constant innovation; hence creativity is an indispensable skill required for entering this line.				
9. non-achieved actions from previous year	Create new ideas and methods and includes the process of development of new products by manipulating the already existing materials.				
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	Fostering development in the production sector with appropriate supervision. The most effective ways of designing, operating the production and equipment	Course coordinator	2022-2023	--



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		along with ensuring their sustenance is dealt with.			
2.	Teaching	Create new ideas and methods and includes the process of development of new products by manipulating the already existing materials.	Course coordinator	2022-2023	--

	Name	Signature
Course coordinator:	Dr. Yassen EL Sayed Yassen	
Program coordinator:	Prof. Dr. Ali Samir	
Head of Department:	Prof. Dr. Ali Samir	
Dean:	Prof. Dr. Atteia Aref	
Date	September / 2023	



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ARE 112 Building construction (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:	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. Dr. Marwa Mostafa 2. Eng. Esraa Eltayar (1) 3. Eng. Somya Mohamed (2) 4. Eng. Heba Osama (3)		

B. Statistical Information: -

1. Statistics

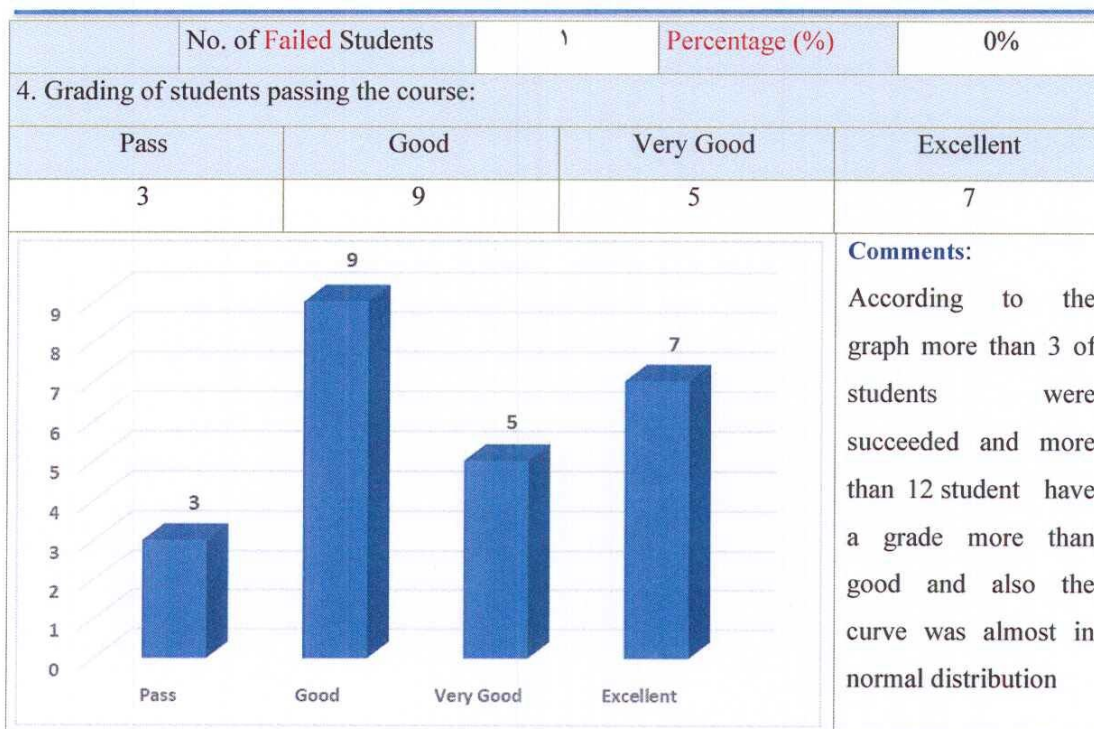
- No. of students starting the course	25
- No. of students attending the course	25
No. of Passed Students	24
Percentage (%)	100%



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2. Course Teaching: -

- 1. Course contents: -

Week	Topics	No. of hr/week			
		Tutorial	Practical	lecture	Total
1	Traditional construction& Course definition (Drawing tools & sketching.)	2	-----	4	6
2-3-4	Masonry - raw bricks & brick masonry	6	---	12	18
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



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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	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 Mini project Research and reporting Brain storming				
- Student assessment: -	Final Examination (57%) Quizzes (6.4%) Sheets (10.7%) Mid-Term Examination (12.8%) Attendance (10.7%) Assignments and reports (2%)				
3. The available teaching resources					
- Scientific References	[√] Available [] Available to some extent [] Not available				



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- Helping tools	[√] Available [] Available to some extent [] Not available				
- Supplies and materials	[√] Available [] Available to some extent [] Not available				
4. Administrative constraints	Not exist				
5. Results of course evaluation by students:	Satisfied to some extent with total percentage equal [89.3%] and subsection percentage: - Educational effectiveness → [90.2%] - Staff → [79.9%] - Available resources → [91.5%] - Student assessment methods → [90.9%] - Co-Staff (1) → [90.2%] - Co-Staff (2) → [91.3%] - Co-Staff (3) → [91.3%]				
6. Suggestions for course enhancement:	• Visit a site under construction • Lack of development of skill in multiple presentation techniques for architectural design projects				
7. External evaluator’s comments:	No Comment				
8. Achieved actions from previous year	• Drawing technical sanitary construction plans • Increase the lecture for explain Working technical sanitary installations				
9. non-achieved actions from previous year	• Lack of development of skill in multiple presentation techniques for architectural design projects				
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	Visit a site under construction .	Course coordinator	2023-2024	--
2.	Teaching	Lack of development of skill in multiple presentation techniques for architectural design projects	Course coordinator	2023-2024	---

	Name	Signature
Course coordinator:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Program coordinator:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Head of Department:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Dean:	Prof. Dr. Atteia Aref	Atteia Aref
Date	September 2023	



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Theory of structure course Report

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

A. Basic Information: -

1. Course title:	Theory of structure	Course code:	CIVA111
2. Program Name:			Architecture Engineering Department
3. Academic year	First year	Semester	1 st 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. Nehal Ashour 2. Eng. Mohamed Diaa	

B. Statistical Information: -

1. Statistics

- No. of students starting the course	25			
- No. of students attending the course	25			
- Results	No. of Passed Students	24	Percentage (%)	96%
	No. of Failed Students	1	Percentage (%)	4%
4. Grading of students passing the course:				



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2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week		
		Tut./Lab.	lecture	Total
1-2	Basic concepts and analysis of structure	4	4	8
3-4	equilibrium	4	4	8
5	compatibility	2	2	4
6	external and internal equilibrium of statically determined plane structures, beams, and frames,	2	2	4
7	Mid-Term Exam			
8-9	normal shear and torsion and combined stress	4	4	8
10-11	introduction to the analysis of statically indeterminate structures through Consistent deformations	4	4	8
12-13	Buckling of columns	4	4	8
14	Buckling of columns	2	2	4
15	Final Exam			



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- Percentage of actually given course content:	90%				
- Untaught topics	introduction to the analysis of statically indeterminate				
- 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 Research and reporting				
- Student assessment: -	Final written exam (70%) Mid-term Exam (13.5%) Quizzes (4.5%) Sheets (3%) Reports (1.5%) Attendance (7.5%)				
3. The available teaching resources					
- Scientific References	[√] Available [] Available to some extent [] Not available				
- Helping tools	[√] Available [] Available to some extent [] Not available				
- Supplies and materials	[√] Available [] Available to some extent [] Not available				
4. Administrative constraints	Not exist				
5. Results of course evaluation by students:	Satisfied to some extent with total percentage equal [96.42%] and subsection percentage:				



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	<ul style="list-style-type: none">- Educational effectiveness → [96.8%]- Staff → [94.8%]- Available resources → [98.1%]- Student assessment methods → [99.4%]- Co-Staff → [93%]				
6. Suggestions for course enhancement:	<ul style="list-style-type: none">• Learn more applications for engineering design				
7. External evaluator’s comments:	No Comment				
8. Achieved actions from previous year	Increase academic support.				
9. non-achieved actions from previous year	Apply in Arches and Cone and Dome Increase academic support.				
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	Learn more applications for engineering design Apply in Sap and Etabs programs	Course coordinator	2023-2024	--

	Name	Signature
Course coordinator:	Dr. Nehal Ashour	Dr. Nehal Ashour
Program coordinator:	Prof. Dr. Marwa Mostafa Ahmed	Dr. Marwa Mostafa
Head of Department:	Prof. Dr. Marwa Mostafa Ahmed	Dr. Marwa Mostafa
Dean:	Prof. Dr. Attia Aref	Attia Aref
Date	September 2023	



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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 Mostafa 2. Arch. Aya Tarek(1) 3. Arch. Howyda alnaqib (2)	

B. Statistical Information: -

1. Statistics

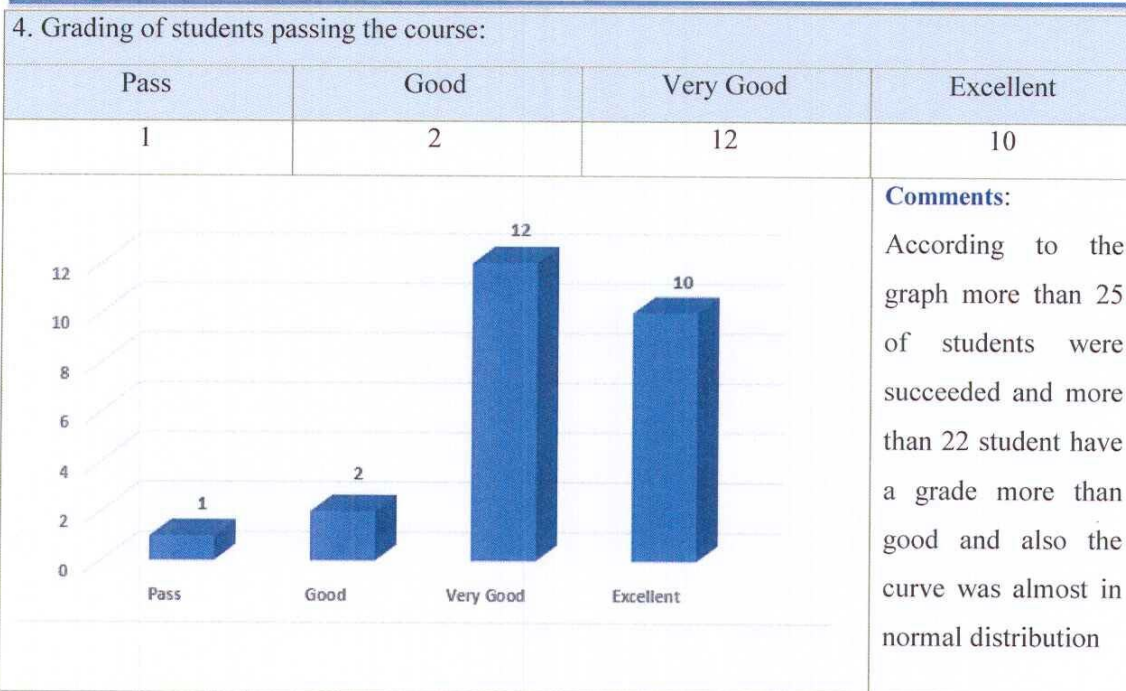
- No. of students starting the course	25			
- No. of students attending the course	25			
- Results	No. of Passed Students	25	Percentage (%)	100%
	No. of Failed Students	0	Percentage (%)	0%



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2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week		
		Tutorial	lecture	Total
1-2	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
3	Principles of using and designing building interiors and external spaces, services (Defining Phases of architectural design process.	4	2	6
4-5	principles of using and designing building interiors and external spaces, services (Site Analysis, Concept and Space syntax)	8	4	12
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	4	2	6



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	projects.(Elevations and Architectural styles)			
11 -	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
12	Applications with architectural models and studying types and techniques of presentation in architectural design and projects. (Final Layout Submission, Perspective, Shots)	4	2	6
13	Final Booklets Submission	4	2	6
14	Final Exam			
15				

- 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 Research and reporting Brain storming Case study				
- Student assessment: -	Quizzes (7.5%) Reports (2.5%) Sheets (12.5%) Mid-term Exam (15%) Attendance (12.5%) Laboratory (0%)				



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	Final written exam (40%)
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:	Satisfied to some extent with total percentage equal [78.5 %] and subsection percentage: - Educational effectiveness → [72%] - Staff → [73.1%] - Available resources → [76%] - Student assessment methods → [73.3%] - Co-Staff (1) → [90.3%] - Co-Staff (2) → [86.3%]
6. Suggestions for course enhancement:	<ul style="list-style-type: none"> Add a workshop for improving students' design and drawing skills. 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:	



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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	2023-2024	500
2.	Teaching	Add Applications with architectural studying models.	Course coordinator	2023-2024	1500

	Name	Signature
Course coordinator:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Program coordinator:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Head of Department:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Dean:	Prof. Dr. Atteia Aref	Atteia Aref
Date	September 2023	



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ARE 122 Building construction (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:	Building construction (2)	Course code:	ARE 122
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. Dr. Mahamoud Mansour Salah 2. Arch. Fatma Nasser (1) 3. Arch. Sara Yachout (2)	

B. Statistical Information: -

1. Statistics

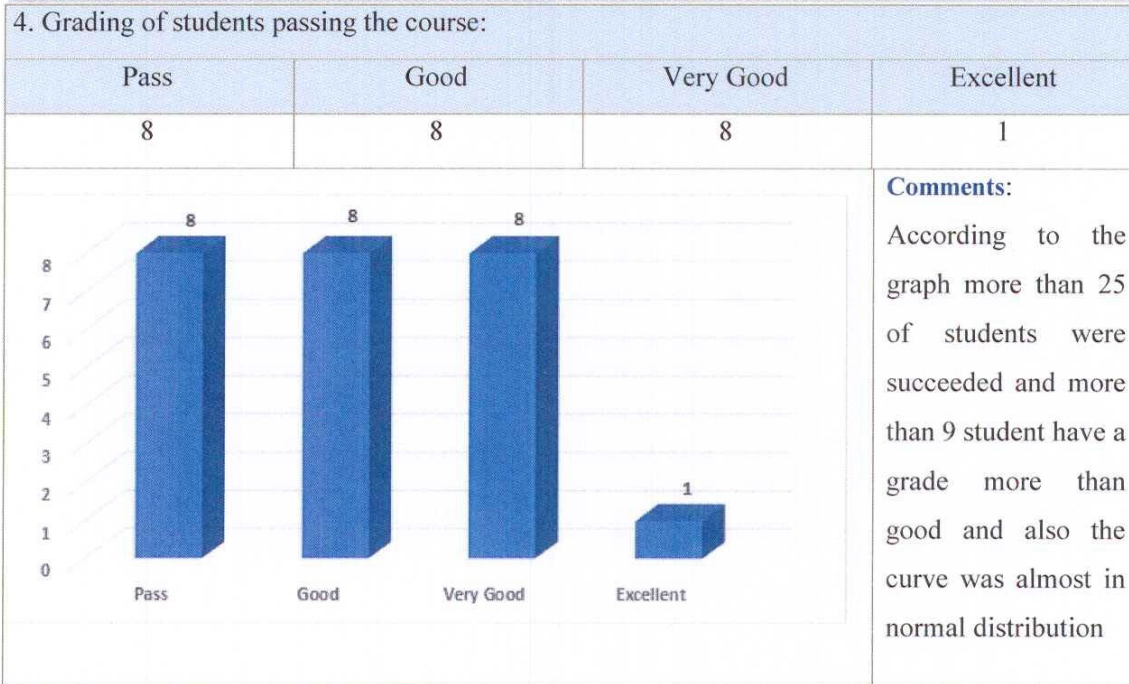
- No. of students starting the course	25			
- No. of students attending the course	25			
- Results	No. of Passed Students	25	Percentage (%)	100%
	No. of Failed Students	0	Percentage (%)	0%



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2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week		
		Tut./Lab.	lecture	Total
1	Study of the different types and techniques of building construction +Program introduction and course orientation.	4	2	6
2	Skeleton buildings.	4	2	6
3	Frames.	4	2	6
4	sliding slabs	4	2	6
5	Pre stressed concrete	4	2	6
6	Shell construction.	4	2	6
7	Mid Term Exam			
8	steel constructions	4	2	6
9	trusses	4	2	6
10	Study of the different types and techniques of building construction (Learning drawing fundamentals of multi stories building and practicing on drawing).	4	2	6
11	Thermal insulation of roofs and externals walls.	4	2	6
12-13	construction details stairs (Identify basic details of stairs drawing)	8	4	12
14	Final submission of the project.	4	2	6
15	Final Exam			



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- Percentage of actually given course content:	97%				
- 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 Online-based learning Tutorial / Exercise Group discussion Site visit Presentation Mini-project Research and reporting				
- Student assessment: -	Quizzes (6%) Reports (2%) Sheets (10%) Mid-term Exam (12%) Attendance (10%) Laboratory (0%) Final written exam (60%)				
3. The available teaching resources					
- Scientific References	[√] Available [] Available to some extent [] Not available				



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- Helping tools	[√] Available [] Available to some extent [] Not available				
- Supplies and materials	[√] Available [] Available to some extent [] Not available				
4. Administrative constraints	Not exist				
5. Results of course evaluation by students:	Satisfied to some extent with total percentage equal [86.9%] and subsection percentage: <ul style="list-style-type: none">- Educational effectiveness → [91.48%]- Staff → [93.14%]- Available resources → [93.46%]- Student assessment methods → [89.72%]- Co-Staff (1) → [81.78%]- Co-Staff (2) → [71.56%]				
6. Suggestions for course enhancement:	<ul style="list-style-type: none">• Increasing architectural drafting workshops and maquette.• site-visit buildings under construction				
7. External evaluator's comments:	No Comment				
8. Achieved actions from previous year	construction details stairs applications				
9. non-achieved actions from previous year	Increasing workshops for architectural directing.				
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">• Increasing architectural drafting workshops and maquette.	Course coordinator	2023-2024	--



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1.	Teaching	<ul style="list-style-type: none"> Site-visit buildings under construction. 	Course coordinator	2023-2024	--

	Name	Signature
Course coordinator:	Dr. Mahmoud Mansour	Dr. Mahmoud Mansour
Program coordinator:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Head of Department:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Dean:	Prof. Dr. Atteia Aref	Atteia Aref
Date	September 2023	



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ARE 211 Architectural design (3) 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:	Architectural design (3)	Course code:	ARE 211
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	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. DrMahmod mansor 2. Eng. Mohamed asasa (1) 3. Engsomaya mohamed (2)		

B. Statistical Information: -

1. Statistics

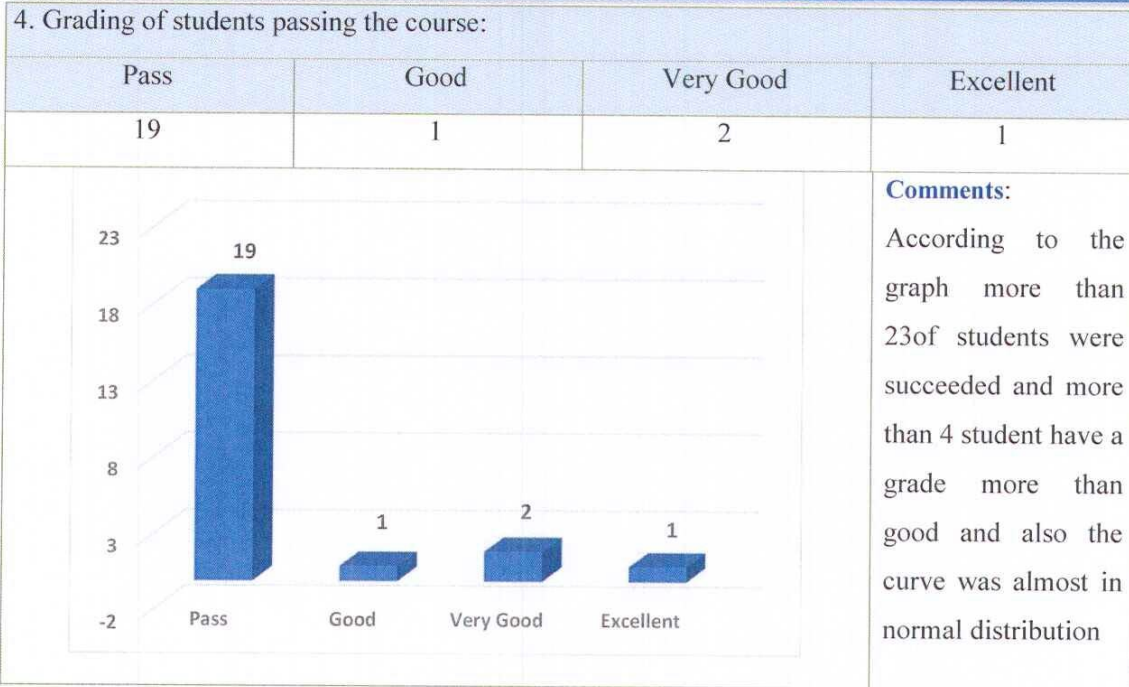
- No. of students starting the course		23
- No. of students attending the course		23
- Results	No. of Passed Students	23
	No. of Failed Students	0
Percentage (%)		100%
Percentage (%)		0%



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2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week			
		Tutorial	Practical	lecture	Total
1-3	Study and analysis of building elements for average	12	----	6	18
4-6	Scale project programs and compositions	12	---	6	18
7	Mide term				
8	Principles of environmental	4		2	6
9	Structure Systems for project	4	---	2	6
10	impact assessment in the design phase	4	---	2	6
11-14	Study of the importance of structural significance in forming architectural spaces.	16	---	8	24
15	Final Exam				



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- Percentage of actually given course content:	90%				
- Untaught topics	Structure Systems for project				
- 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(40) Quizzes(7%) Sheets(12.8%) Mid-Term Examination(17%) Attendance(12.7%) Assignments and reports(2.5%) Tutorials LabOral/Practical(8%) Total (100%)				
3. The available teaching resources					
- Scientific References	[√] Available [] Available to some extent [] Not available				
- Helping tools	[√] Available [] Available to some extent [] Not available				



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-Supplies and materials	[√] Available [] Available to some extent [] Not available				
4. Administrative constraints	Not exist				
5. Results of course evaluation by students:	Satisfied to some extent with total percentage equal [85.8%] and subsection percentage: <div><div>- Educational effectiveness</div><div>→ [83.3%]</div></div> <div><div>- Staff</div><div>→ [84.3%]</div></div> <div><div>- Available resources</div><div>→ [89.9%]</div></div> <div><div>- Student assessment methods</div><div>→ [82.7%]</div></div> <div><div>- Co-Staff (1)</div><div>→ [81.1%]</div></div> <div><div>- Co-Staff (2)</div><div>→ [93.6%]</div></div>				
6. Suggestions for course enhancement:	<div><div>• See a lot of project.</div><div>• Increase search.</div><div>• Structure Systems for project</div></div>				
7. External evaluator’s comments:	No Comment				
8. Achieved actions from previous year	Analysis of similar projects				
9. non-achieved actions from previous year	Increase search.				
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	<div><div>• Increase sketch presentation</div></div>	Course coordinator	2023-2024	--
2.	Teaching	<div><div>• Increase search.</div></div>	Course coordinator	2023-2024	--



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	Name	Signature
Course coordinator:	Prof. Dr Mahmoud mansor	Dr. Mahmoud Mansour
Program coordinator:	Prof. Dr. Marwa mostafa	Dr. Marwa Mostafa
Head of Department:	Prof. Dr. Marwa mostafa	Dr. Marwa Mostafa
Dean:	Prof. Dr. Atteia Aref	Atteia Aref
Date	September 2023	



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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:	<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. DrMahmod mansor 2. Eng. Howayda ali (1) 3. Eng esraa eltayar (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%



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No. of Failed Students	0	Percentage (%)	0%
4. Grading of students passing the course:			
Pass	Good	Very Good	Excellent
6	4	10	3
			Comments: According to the graph more than 23 of students were succeeded and more than 17 student have a grade more than good and also the curve was almost in normal distribution

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	Mid-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				



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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: -	Final Examination(60%) Quizzes(4.5%) Sheets(3%) Mid-Term Examination(13.5%) Attendance(7.5%) Assignments and reports(1.5%) Oral/Practical(10%) Total(100%)				
3. The available teaching resources					
- Scientific References	[√] Available [] Available to some extent [] Not available				
- Helping tools	[√] Available [] Available to some extent [] Not available				
- Supplies and materials	[√] Available [] Available to some extent [] Not available				
4. Administrative constraints	Not exist				
5. Results of course evaluation by students:	Satisfied to some extent with total percentage equal [86.6%] and subsection percentage: - Educational effectiveness → [84.1%] - Staff → [89.3%]				



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	<ul style="list-style-type: none">- Available resources → [87.5%]- Student assessment methods → [85.6%]- Co-Staff (1) → [89%]- Co-Staff (2) → [90%]				
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				
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
1.	Teaching	•Applications on architectural	Course coordinator	2023-2024	--

	Name	Signature
Course coordinator:	Prof. Dr Mahmoud mansor	Dr. Mah Noud Mansour
Program coordinator:	Prof. Dr. Marwa mostafa	Dr. Marwa Mostafa
Head of Department:	Prof. Dr. Marwa mostafa	Dr. Marwa Mostafa
Dean:	Prof. Dr. Atteia Aref	Atteia Aref
Date	September 2023	



وحدة ضمان الجودة



وزارة التعليم العالي
المعهد العالي للهندسة والتكنولوجيا بالمنزلة
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ARE 223 Urban 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 design	Course code:	ARE 223
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	3	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:	[√] 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 Mostafa 2. Eng. Aya Tarek (1) 3. Eng. Sara Yaout (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%

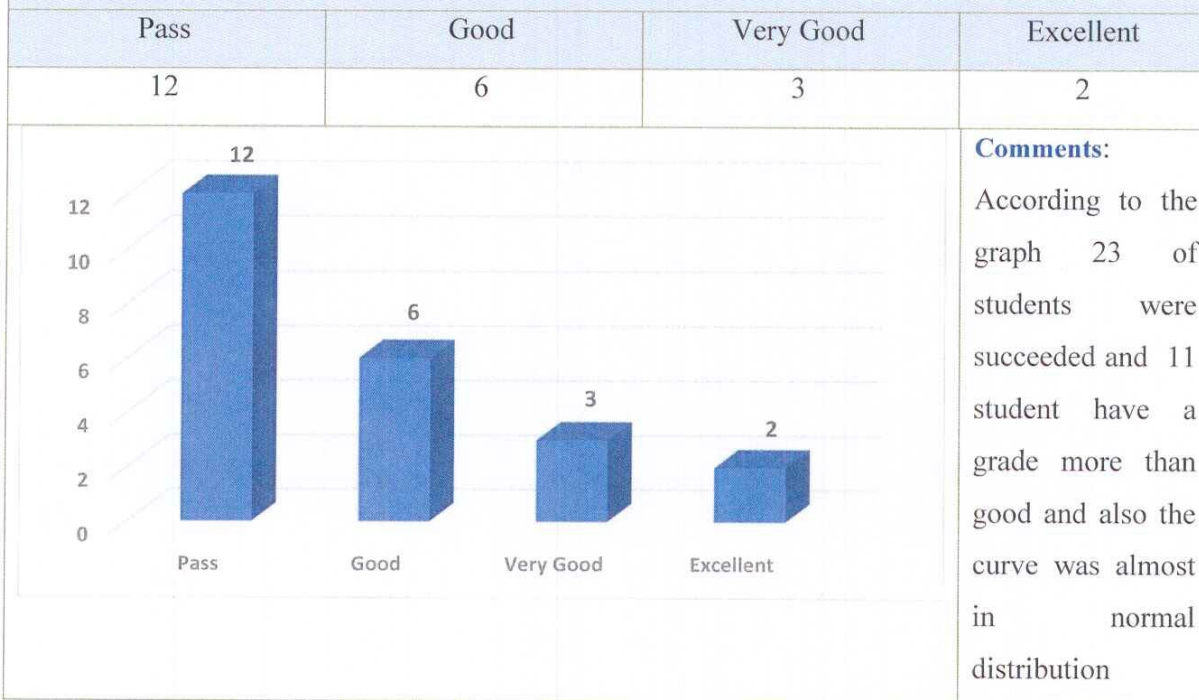


وحدة ضمان الجودة



وزارة التعليم العالي
المعهد العالي للهندسة والتكنولوجيا بالمنزلة
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4. Grading of students passing the course:



2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week		
		Tut./lab.	lecture	Total
1-4	Definition of urban design: programs, and attribute	16	8	24
5-6	study of principles of urban design	8	4	12
7	Mid Term Exam			
8-14	ecological and environment effect on urban shaping	28	14	45
15	Final Exam			



- Percentage of actually given course content:	88%				
- Untaught topics	urban shaping applications				
- 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 (64%) Quizzes (5.4%) Sheets (3.6%) Mid-Term Examination (16.2%) Attendance (9%) Assignments and reports (1.8%)				
3. The available teaching resources					
- Scientific References	[√] Available [] Available to some extent [] Not available				
- Helping tools	[√] Available [] Available to some extent [] Not available				
- Supplies and materials	[√] Available [] Available to some extent [] Not available				
4. Administrative constraints	Not exist				



5. Results of course evaluation by students:			Satisfied to some extent with total percentage equal [59.75%] and subsection percentage: - Educational effectiveness → [42.7%] - Staff → [74.8%] - Available resources → [38.4%] - Student assessment methods → [46%] - Co-Staff (1) → [81.3%] - Co-Staff (2) → [75.3%]		
6. Suggestions for course enhancement:			• Divide the number of exercise hours over more than one day per week .		
7. External evaluator’s comments:			No Comment		
8. Achieved actions from previous year			• Increasing workshops for architectural directing • Increasing lecture hours for explain urban shaping applications		
9. non-achieved actions from previous year			Divide the number of exercise hours over more than one day per week.		
10. Action plan for current semester:					
No.	Field	Action required in order of priority	Person responsible	completion date	Cost
3.	Teaching	Divide the number of exercise hours over more than one day per week.	Member of Administration	2023-2024	--

	Name	Signature
Course coordinator:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Program coordinator:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Head of Department:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Dean:	Prof. Dr. Atteia Aref	Atteia Aref
Date	September 2023	



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وزارة التعليم العالي
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Environmental 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:	Environmental design	Course code:	ARE 311
2. Program Name:	Architecture Engineering program		
3. Academic year	Third Year	Semester	1 st 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. Shima Ali 2. Eng. Howida Ali (1) 3. Eng. Esraa El-taiar(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%

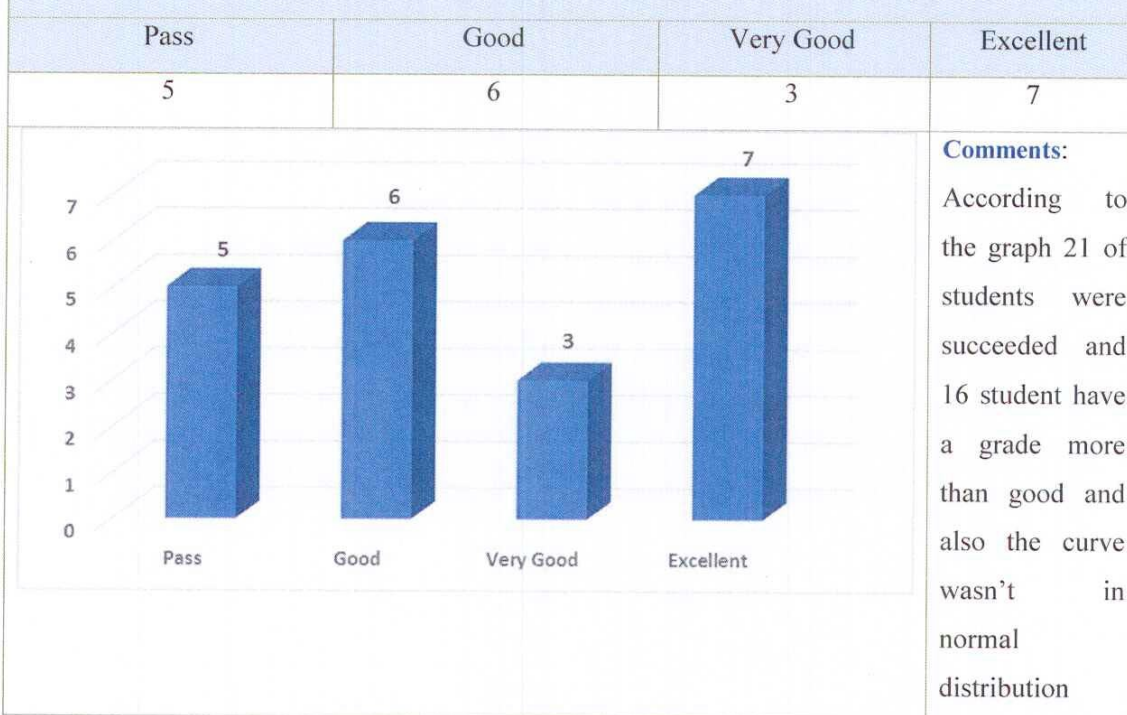


وحدة ضمان الجودة



وزارة التعليم العالي
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4. Grading of students passing the course:



2. Course Teaching: -

- Topics Taught: -

Week	Topics	NO. Of hr/week		
		T/L	Lecture	Total
1 - 3	The variety of exiting environments	6	6	12
4 - 6	climate and climatic regions	6	6	12
7	Mid Term Exam			
8 - 10	human thermal comfort	6	6	12
11 - 12	Environments impact on architectural designs	4	4	8
13 - 14	Case studies and applicable researches.	2	2	4
15	Final Exam			



وحدة ضمان الجودة



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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 Mini project Site visit Brain storming Research and reporting				
- Student assessment: -	Final Examination (70%) Quizzes (4.5%) Sheets (3%) Mid-Term Examination (13.5%) Attendance (7.5 5%) Assignments and reports (1.5%)				
3. The available teaching resources					
- Scientific References	[√] Available [] Available to some extent [] Not available				
- Helping tools	[√] Available [] Available to some extent [] Not available				
- Supplies and materials	[√] Available [] Available to some extent [] Not available				



وحدة ضمان الجودة



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4. Administrative constraints		Not exist			
5. Results of course evaluation by students:		Satisfied to some extent with total percentage equal [86.8%] and subsection percentage: <div><div>- Educational effectiveness</div><div>➔ [86.8%]</div></div> <div><div>- Staff</div><div>➔ [77.98%]</div></div> <div><div>- Available resources</div><div>➔ [95.8%]</div></div> <div><div>- Student assessment methods</div><div>➔ [77%]</div></div> <div><div>- Co-Staff (1)</div><div>➔ [95.8%]</div></div> <div><div>- Co-Staff (2)</div><div>➔ [95.8%]</div></div>			
6. Suggestions for course enhancement:		<div><div>• Increase architectural drafting workshops</div><div>• Increase the number of session hours</div></div>			
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	<div><div>• Increase architectural drafting workshops</div></div>	Course coordinator	2023-2024	--
2.	Teaching	<div><div>• Increase the number of session hours</div></div>	Member of Administration	2023-2024	--



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	Name	Signature
Course coordinator:	Dr. Shima Ali	Dr. Shima Ali
Program coordinator:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Head of Department:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Dean:	Prof. Dr. Atteia Aref	Atteia Aref
Date	September 2023	



وحدة ضمان الجودة



وزارة التعليم العالي
المعهد العالي للهندسة والتكنولوجيا بالمنزلة
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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 st 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 Mostafa 2. Eng. Aya Tarek (1) 3. Eng. Heba Osama (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%

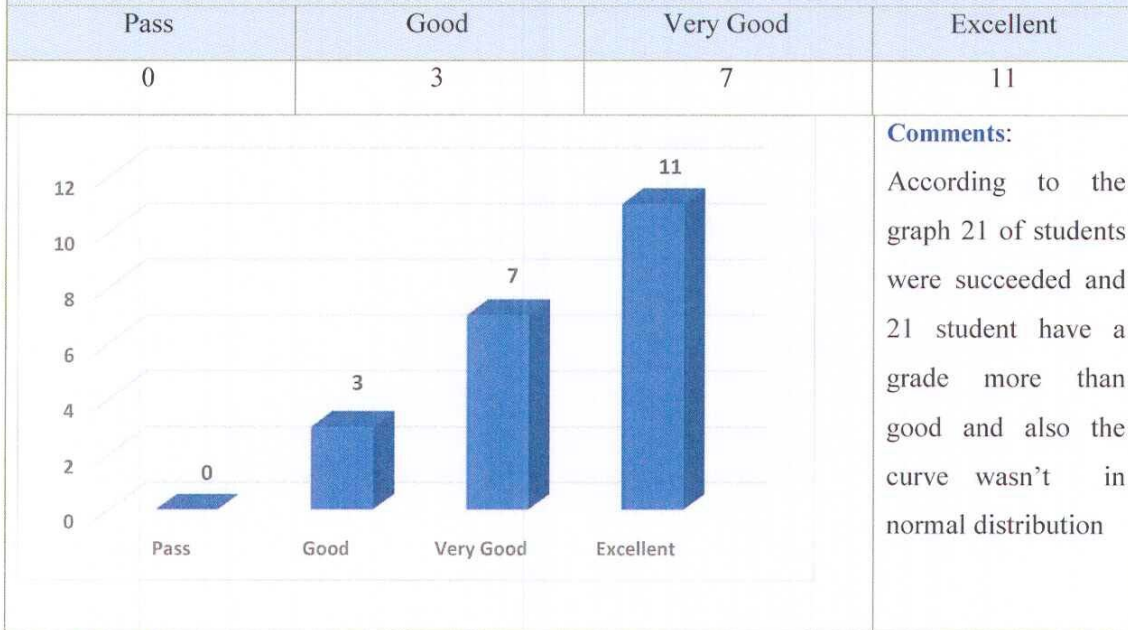


وحدة ضمان الجودة



وزارة التعليم العالي
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4. Grading of students passing the course:



2. Course Teaching: -

- Topics Taught: -

Week	Topics	No. of hr/week		
		Tut./lab.	lecture	Total
1	Introduction to the strategic environmental studies	4	2	6
2-3	Studies of projects(the Egyptian Code for Hospitals - Site and urban studies	8	4	12
4	raising efficiency in the design process architectural projects characterized with complicated, diversified elements	4	2	6
5-6	(Theories and foundations of hospital design-zoning analysis + project program-The master plan -other plans)	8	4	12
7	Mid Term Exam			
8-9	significance of structural concept in shaping and formulating architectural spaces)formation vocabulary and construction systems	8	4	12
10	Sketch design for elevations and sections)	4	2	6
11-12	Study of external environmental conditions and development of students' perception of urban forms (Sustainability in architecture and urbanism)	8	4	12
13	the kind of relationship between external volumes and building shapes	4	2	6
14	Final submission of the project	4	2	6
15	Final Exam			



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- 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 Tutorial / Exercise Group discussion Presentation Mini project Site visit Brain storming Research and reporting Case study				
- Student assessment: -	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%)				
3. The available teaching resources					
- Scientific References	[√] Available [] Available to some extent [] Not available				
- Helping tools	[√] Available [] Available to some extent [] Not available				
-Supplies and materials	[√] Available [] Available to some extent [] 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 → [86.1%]- Staff → [72%]- Available resources → [92.7%]- Student assessment methods → [76.4%]- Co-Staff (1) → [95.8%]- Co-Staff (2) → [95.8%]				
6. Suggestions for course enhancement:	<ul style="list-style-type: none">• Increasing workshops for architectural directing.• Increasing workshops for Model simulation.• Divide the number of exercise hours over more than one day per week .				
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	Increasing workshops for architectural directing	Course coordinator	2023-2024	--
2.	Teaching	Increasing workshops for Model simulation.	Course coordinator	2023-2024	--
3.	Teaching	Divide the number of exercise hours over more than one day per week.	Member of Administration	2023-2024	--



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	Name	Signature
Course coordinator:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Program coordinator:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Head of Department:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Dean:	Prof. Dr. Atteia Aref	Atteia Aref
Date	September 2023	



وحدة ضمان الجودة



وزارة التعليم العالي
المعهد العالي للهندسة والتكنولوجيا بالمنزلة
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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:	[√] 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. Shaimaa Nosir 2. Eng. Aya Tarek (1) 3. Eng. Howida Ali (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%



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وزارة التعليم العالي
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4. Grading of students passing the course:

Pass	Good	Very Good	Excellent
2	6	4	9

Comments:
According to the graph all of 21 students were succeeded and more than 19 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
1-3	The course concentrates on enhancing the student's skills in developing alleviating the environmental-design (Site Analysis)	15	6	21
4-6	Enhance the student's skills in developing architectural solutions (Design Concept, Formation principles) problems-studying a variety of structural solutions to help construct wide-span structures	15	6	21
7	Mid-Term Exam			
8-10	(continued) problems-studying a variety of structural solutions to help construct wide-span structures (Functional and structural requirements -Project considerations)	15	6	21
11-12	study of natural and mechanical ventilation-study of artificial and daylighting (Sustainable architecture)	10	4	14
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	5	2	7
14	Final submission of the project	5	2	7
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 Tutorial / Exercise Presentation Research and reporting Group discussion Case study Mini-project Site visit Brain storming				
- 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	[√] Available [] Available to some extent [] Not available				
- Helping tools	[√] Available [] Available to some extent [] Not available				
-Supplies and materials	[√] Available [] Available to some extent [] Not available				
4. Administrative constraints					
Not exist					
5. Results of course evaluation by students:					
Satisfied to some extent with percentage equal [90.00%] and subsection percentage: - Educational effectiveness ➔ [94%] - Staff ➔ [95.4%] - Available resources ➔ [88%]					



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	<ul style="list-style-type: none">- Student assessment methods → [91.3%]- Co-Staff (1) → [85%]- Co-Staff (2) → [79%]				
6. Suggestions for course enhancement:	<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				
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	Introducing new topics or trends in architectural design.	Course coordinator	2023-2024	--
2.	Teaching	Using technology to support learning, such as 3D modeling software, VR simulations, or online design platforms.	Course coordinator	2023-2024	--
3.	Teaching	Introducing new topics such as define and solve the problems of the design	Course coordinator	2023-2024	--

	Name	Signature
Course coordinator:	Dr. Shaimaa Nosir	<i>Shaimaa Nosir</i>
Program coordinator:	Ass. Prof. Dr. Marwa Mostafa	<i>Dr. Marwa Mostafa</i>
Head of Department:	Ass. Prof. Dr. Marwa Mostafa	<i>Dr. Marwa Mostafa</i>
Dean:	Prof. Dr. Atteia Aref	<i>Atteia Aref</i>
Date	September 2023	



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Urban Conservation and Maintenance 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 322E
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:	[√] 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. Mai Fakrey 2. Eng. Mohamed Assasa (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 (%)	100%
	No. of Failed Students	0	Percentage (%)	0%

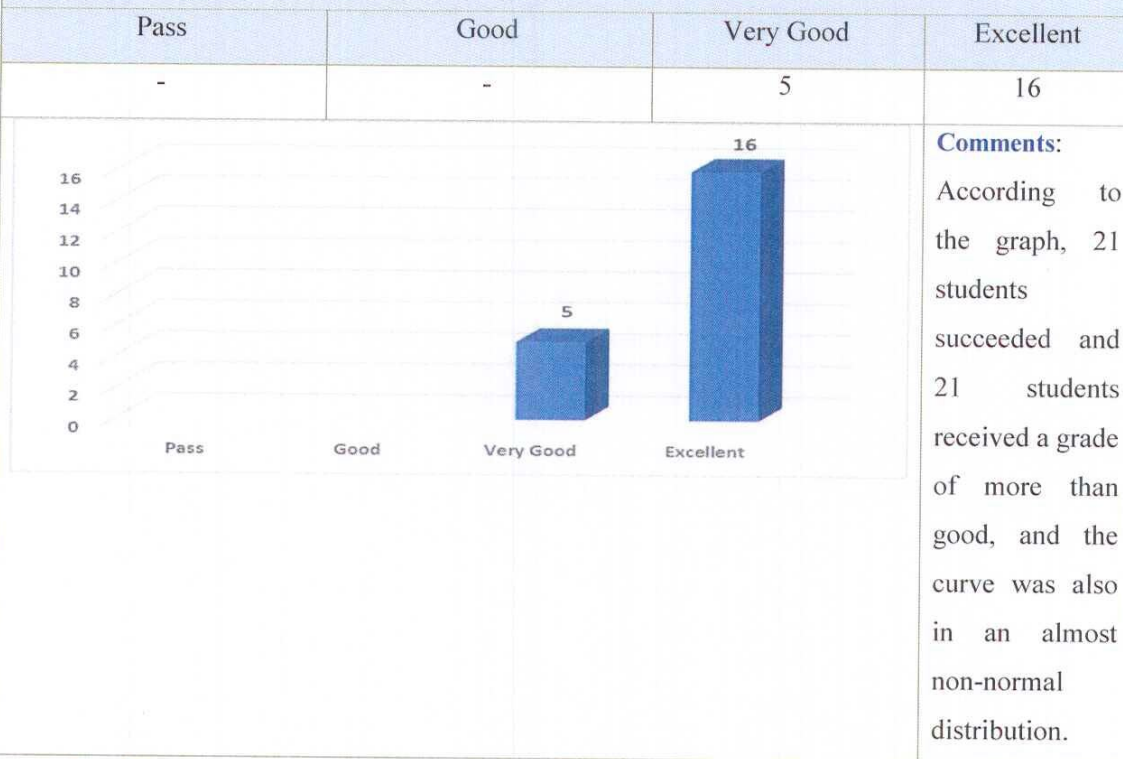


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4. Grading of students passing the course:



2. Course Teaching: -

- Topics Taught: -

Week	Topics	NO. Of hr/week		
		T/L	Lecture	Total
1 - 4	Concepts of urban conservation and maintenance.	8	8	16
5-6	historical and invaluable buildings	4	4	8
7	Mid Term Exam			
8-9	Methodologies of dealing with urban heritage: reclamation- character preservation.	4	4	8
10	Methodologies of dealing with urban heritage: elimination.	2	2	4
11	Methodologies of dealing with urban heritage: reformation.	2	2	4
12	Methodologies of dealing with urban heritage: renewal – upgrading.	2	2	4
13 -14	Methodologies of dealing with urban heritage: rehabilitation.	2	2	4
15	Final Exam			



وحدة ضمان الجودة



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

- 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 (3%) Mid-Term Examination (13.5%) Attendance (7.5 5%) Assignments and reports (1.5%)				
3. The available teaching resources					
- Scientific References	[√] Available [] Available to some extent [] Not available				
- Helping tools	[√] Available [] Available to some extent [] Not available				
- Supplies and materials	[√] Available [] Available to some extent [] Not available				



وحدة ضمان الجودة



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4. Administrative constraints		Not exist			
5. Results of course evaluation by students:		Satisfied to some extent with total percentage equal [86.8%] and subsection percentage: - Educational effectiveness → [88.67%] - Staff → [91.4%] - Available resources → [90.4%] - Student assessment methods → [92.67%] - Co-Staff (1) → [73.67%]			
6. Suggestions for course enhancement:		• The exam must contain parts that measure the students' levels			
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	• The exam must contain parts that measure the students' levels	Course coordinator	2023-2024	--

	Name	Signature
Course coordinator:	Dr. Mai Fakrey	Dr. Mai Fakrey
Program coordinator:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Head of Department:	Prof. Dr. Marwa Mostafa	Dr. Marwa Mostafa
Dean:	Prof. Dr. Atteia Aref	Atteia Aref
Date	September 2023	