



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% |



وحدة ضمان الجودة



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

| | 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 |



وحدة ضمان الجودة



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

| | | | | |
|----|--|---|---|---|
| 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 |



وحدة ضمان الجودة



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

| <p>5. Results of course evaluation by students:</p> | <p>Satisfied to some extent with total percentage equal [88.48%] and subsection percentage:</p> <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%] | | | | |
|--|---|--|--------------------|-----------------|------|
| <p>6. Suggestions for course enhancement:</p> | <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. | | | | |
| <p>7. External evaluator's comments:</p> | <p>No Comment</p> | | | | |
| <p>8. Achieved actions from previous year</p> | <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 | | | | |
| <p>9. non-achieved actions from previous year</p> | <p>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.</p> | | | | |
| <p>10. Action plan for current semester:</p> | | | | | |
| 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 | -- |



وحدة ضمان الجودة



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

| | | | | | |
|----|----------|--|--------------------|-----------|----|
| 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 | |



وحدة ضمان الجودة

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

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: | | | <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 | | | Prof. Dr. Atteia Aref | |

B. Statistical Information: -

1. Statistics

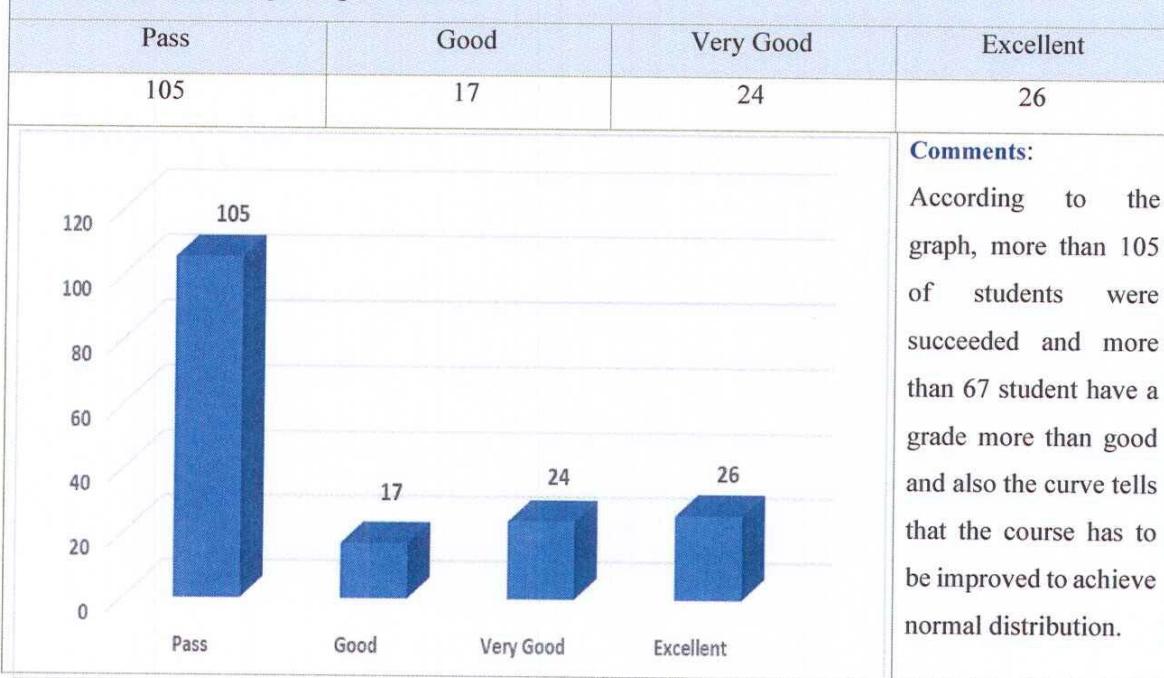
| | | | |
|--|------------------------|-----|----------------|
| - No. of students starting the course | 122 | | |
| - No. of students attending the course | 116 | | |
| - Results | No. of Passed Students | 105 | Percentage (%) |
| | No. of Failed Students | 11 | Percentage (%) |



وحدة ضمان الجودة

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

4. Grading of students passing the course:





وحدة ضمان الجودة

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

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 | | | |



وحدة ضمان الجودة



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

| | | | | | |
|---|---|-------|----------|--|-------|
| - 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 | <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 |



وحدة ضمان الجودة

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

| <p>5. Results of course evaluation by students:</p> | <p>Satisfied to some extent with total percentage equal [86.52%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness ➔ [86.6 %] - Staff ➔ [86.2 %] - Available resources ➔ [86 %] - Student assessment methods ➔ [87.3%] | | | | |
|--|--|--|--------------------|-----------------|------|
| <p>6. Suggestions for course enhancement:</p> | <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. | | | | |
| <p>7. External evaluator's comments:</p> | <p>No Comment</p> | | | | |
| <p>8. Achieved actions from previous year</p> | <p>Introduces engineering principles for sustainable development of infrastructure, environmental, and societal systems.</p> | | | | |
| <p>9. non-achieved actions from previous year</p> | <p>Consider participating in extracurricular activities, such as attending workshops, seminars, or conferences related to engineering and the environment.</p> | | | | |
| <p>10. Action plan for current semester:</p> | | | | | |
| 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 | -- |



وحدة ضمان الجودة

وزارة التعليم العالي
المهندسية والتكنولوجيا بالمنزلة
2019 (2354) رقم القرار الوزاري

| | | | | | |
|----|----------|--|--------------------|-----------|----|
| | | 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 | |



وحدة ضمان الجودة



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

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: | | [<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 | | Dr. Yassen EL Sayed Yassen Eng. Badr Elsaed | |

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% |



4. Grading of students passing the course:

| Pass | Good | Very Good | Excellent | Comments: |
|---|------|-----------|-----------|--|
| 126 | 7 | 5 | 3 | |
|  | | | | According to the graph more than 126 of students were succeeded and more than 15 student have a grade more than good and also the curve tells that the course has to be improved to achieve normal distribution. |

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 |



وحدة ضمان الجودة



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

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

| | |
|-------------------------|--|
| | <input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available |
| - 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 |



وحدة ضمان الجودة



وزارة التعليم العالي

المهد العالي للهندسة والتكنولوجيا بالمنزلة
منشأ بالقرار الوزاري رقم (2354)، لسنة 2019

| | |
|---|--|
| - 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 [%] and subsection percentage:</p> <ul style="list-style-type: none"> - 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 | -- |



وحدة ضمان الجودة



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

| | | | | | |
|----|----------|--|--------------------|-----------|----|
| | | 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 | |



وحدة ضمان الجودة



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

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% | |



وحدة ضمان الجودة

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

| | No. of Failed Students | 1 | Percentage (%) | 0% | | | | | | | | | | |
|---|------------------------|-----------|----------------|---|--------------------|------|---|------|---|-----------|---|-----------|---|-----------|
| 4. Grading of students passing the course: | | | | | | | | | | | | | | |
| Pass | Good | Very Good | Excellent | | | | | | | | | | | |
| 3 | 9 | 5 | 7 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Grade</th> <th>Number of Students</th> </tr> </thead> <tbody> <tr> <td>Pass</td> <td>3</td> </tr> <tr> <td>Good</td> <td>9</td> </tr> <tr> <td>Very Good</td> <td>5</td> </tr> <tr> <td>Excellent</td> <td>7</td> </tr> </tbody> </table> | | | | Grade | Number of Students | Pass | 3 | Good | 9 | Very Good | 5 | Excellent | 7 | Comments: |
| Grade | Number of Students | | | | | | | | | | | | | |
| Pass | 3 | | | | | | | | | | | | | |
| Good | 9 | | | | | | | | | | | | | |
| Very Good | 5 | | | | | | | | | | | | | |
| Excellent | 7 | | | | | | | | | | | | | |
| | | | | According to the graph more than 3 of students were succeeded and more than 12 student have a grade more than good and also the curve was almost in normal distribution | | | | | | | | | | |

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 |



وحدة ضمان الجودة

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

| | | | | | |
|-------|---|---|-----|---|----|
| | | | | | |
| 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 | <input checked="" type="checkbox"/> Available <input type="checkbox"/> Available to some extent <input type="checkbox"/> Not available | | | | |



وحدة ضمان الجودة

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

| - 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 [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: | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Drawing technical sanitary construction plans Increase the lecture for explain Working technical sanitary installations | | | | |
| 9. non-achieved actions from previous year | <ul style="list-style-type: none"> 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 |



وحدة ضمان الجودة



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

| | | | | | |
|----|----------|--|--------------------|-----------|-----|
| 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 | |



وحدة ضمان الجودة



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

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: | | | <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. 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: | | | | |



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 | | | |



وحدة ضمان الجودة



وزارة التعليم العالي

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

| | | | | | |
|---|---|----------|----------|--|-------|
| - 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 | <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 [96.42%] and subsection percentage: |



وحدة ضمان الجودة



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

| | <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 | |



وحدة ضمان الجودة



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

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: | | <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 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 (%) |
| | No. of Failed Students | 0 | Percentage (%) |



4. Grading of students passing the course:

| Pass | Good | Very Good | Excellent | Comments: | | | | | | | | | | |
|--|--------------------|-----------|-----------|--|--------------------|------|---|------|---|-----------|----|-----------|----|--|
| 1 | 2 | 12 | 10 | According to the graph more than 25 of students were succeeded and more than 22 student have a grade more than good and also the curve was almost in normal distribution | | | | | | | | | | |
| <table border="1"> <caption>Data for Grade Distribution</caption> <thead> <tr> <th>Grade</th> <th>Number of Students</th> </tr> </thead> <tbody> <tr> <td>Pass</td> <td>1</td> </tr> <tr> <td>Good</td> <td>2</td> </tr> <tr> <td>Very Good</td> <td>12</td> </tr> <tr> <td>Excellent</td> <td>10</td> </tr> </tbody> </table> | | | | Grade | Number of Students | Pass | 1 | Good | 2 | Very Good | 12 | Excellent | 10 | |
| Grade | Number of Students | | | | | | | | | | | | | |
| Pass | 1 | | | | | | | | | | | | | |
| Good | 2 | | | | | | | | | | | | | |
| Very Good | 12 | | | | | | | | | | | | | |
| Excellent | 10 | | | | | | | | | | | | | |

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 |



وحدة ضمان الجودة



وزارة التعليم العالي

المعهد العالي للهندسة والتكنولوجيا بالمنزلة

منشأ بالقرار الوزاري رقم 2354 لسنة 2019

| | | | | |
|------|--|---|---|----|
| | 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%) | | | | |



وحدة ضمان الجودة



وزارة التعليم العالي

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

| | |
|---|---|
| | 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: | <p>Satisfied to some extent with total percentage equal [78.5 %] and subsection percentage:</p> <ul style="list-style-type: none"> - 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: | |



وحدة ضمان الجودة



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

| 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 |

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



وحدة ضمان الجودة



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

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



4. Grading of students passing the course:

| Pass | Good | Very Good | Excellent | | | | | | | | |
|---|------|-----------|-----------|------|-----------|-----------|---|---|---|---|---|
| 8 | 8 | 8 | 1 | | | | | | | | |
| <table border="1"> <tr> <td>Pass</td> <td>Good</td> <td>Very Good</td> <td>Excellent</td> </tr> <tr> <td>8</td> <td>8</td> <td>8</td> <td>1</td> </tr> </table> | | | Pass | Good | Very Good | Excellent | 8 | 8 | 8 | 1 | Comments: According to the graph more than 25 of students were succeeded and more than 9 student have a grade more than good and also the curve was almost in normal distribution |
| Pass | Good | Very Good | Excellent | | | | | | | | |
| 8 | 8 | 8 | 1 | | | | | | | | |

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 | | | |



وحدة ضمان الجودة



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

| | | | | | |
|---|--|----------|----------|-------|--|
| - 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 | <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 [86.9%] and subsection percentage:</p> <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 | -- |



وحدة ضمان الجودة

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

| | | | | | |
|----|----------|--|--------------------|-----------|----|
| | | | | | |
| 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 | |



وحدة ضمان الجودة



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

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



4. Grading of students passing the course:

| Pass | Good | Very Good | Excellent |
|------|------|-----------|---|
| 19 | 1 | 2 | 1 |
| | | | Comments: According to the graph more than 23 of students were succeeded and more than 4 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 | 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 | | | | |



وحدة ضمان الجودة



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

| | | | | | |
|---|---|----------|----------|--|-------|
| - Percentage of actually given course content: | 90% | | | | |
| - Untaught topics | Structure Systems for project | | | | |
| - extent of instructors' commitment to the course content | √ 85% | > 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 | <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 | | | | |



وحدة ضمان الجودة



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

| - 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 [85.8%] and subsection percentage: - Educational effectiveness → [83.3%] - Staff → [84.3%] - Available resources → [89.9%] - Student assessment methods → [82.7%] - Co-Staff (1) → [81.1%] - Co-Staff (2) → [93.6%] | | | |
| 6. Suggestions for course enhancement: | | <ul style="list-style-type: none"> See a lot of project. Increase search. Structure Systems for project | | | |
| 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 | <ul style="list-style-type: none"> Increase sketch presentation | Course coordinator | 2023-2024 | -- |
| 2. | Teaching | <ul style="list-style-type: none"> Increase search. | Course coordinator | 2023-2024 | -- |



وحدة ضمان الجودة



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

| | Name | Signature |
|----------------------|-------------------------|---------------------------|
| Course coordinator: | Prof. Dr Mahmoud mansor | Dr. <i>Mahmoud Mansor</i> |
| Program coordinator: | Prof. Dr. Marwa mostafa | Dr. <i>Marwa Mostafa</i> |
| Head of Department: | Prof. Dr. Marwa mostafa | Dr. <i>Marwa Mostafa</i> |
| Dean: | Prof. Dr. Atteia Aref | Atteia Aref |
| Date | September 2023 | |



وحدة ضمان الجودة

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

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: | | | | | | |
| 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% |



وحدة ضمان الجودة

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

| 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 | | | | |



وحدة ضمان الجودة



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

| | | | | |
|---|---|-------|----------|-------|
| - 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%] |



وزارة التعليم العالي

المعهد العالي للهندسة والتكنولوجيا بالمنزلة

منشأ بالقرار الوزاري رقم (2354) لسنة 2019

وحدة ضمان الجودة

| | <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. 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 | |



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: | | [<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 Mostafa 2. Eng. Aya Tarek (1) 3. Eng. Sara Yaout (2) | |

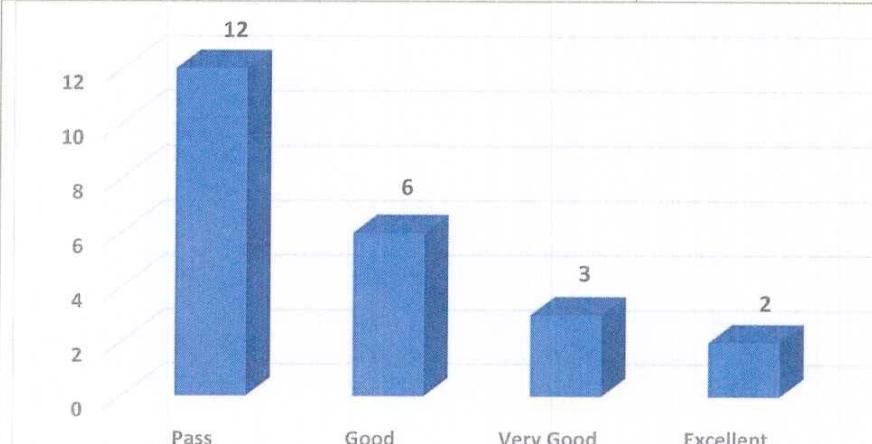
B. Statistical Information: -

1. Statistics

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



4. Grading of students passing the course:

| Pass | Good | Very Good | Excellent | Comments: |
|--|------|-----------|-----------|--|
| 12 | 6 | 3 | 2 | |
|  | | | | According to the graph 23 of students were succeeded and 11 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 | | |
|------|---|----------------|---------|-------|
| | | 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 | <input checked="" type="checkbox"/> Available [] Available to some extent [] Not available |
| - Helping tools | <input checked="" type="checkbox"/> Available [] Available to some extent [] Not available |
| - Supplies and materials | <input checked="" type="checkbox"/> Available [] Available to some extent [] Not available |
| 4. Administrative constraints | Not exist |



| | |
|---|---|
| 5. Results of course evaluation by students: | <p>Satisfied to some extent with total percentage equal [59.75%] and subsection percentage:</p> <ul style="list-style-type: none"> - 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: | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | |



وحدة ضمان الجودة



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

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. Shimaa 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
المعهد العالي للهندسة والتكنولوجيا بالمنزلة
منشاً بالقرار الوزاري رقم (2354) لسنة 2019

4. Grading of students passing the course:

| Pass | Good | Very Good | Excellent | Comments: |
|------|------|-----------|-----------|--|
| 5 | 6 | 3 | 7 | According to the graph 21 of students were succeeded and 16 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 | | |
|---------|--|----------------|---------|-------|
| | | T/L | Lecture | Total |
| 1 - 3 | The variety of existing 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



وزارة التعليم العالي
المعهد العالي للهندسة والتكنولوجيا بالمنزلة
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 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 | <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 [86.8%] and subsection percentage:</p> <ul style="list-style-type: none"> - Educational effectiveness → [86.8%] - Staff → [77.98%] - Available resources → [95.8%] - Student assessment methods → [77%] - Co-Staff (1) → [95.8%] - Co-Staff (2) → [95.8%] | | | | |
| 6. Suggestions for course enhancement: | <ul style="list-style-type: none"> • Increase architectural drafting workshops • Increase the number of session hours | | | | |
| 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 | <ul style="list-style-type: none"> • Increase architectural drafting workshops | Course coordinator | 2023-2024 | -- |
| 2. | Teaching | <ul style="list-style-type: none"> • Increase the number of session hours | Member of Administration | 2023-2024 | -- |



وحدة ضمان الجودة

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

| | Name | Signature |
|-----------------------------|-------------------------|-------------------|
| Course coordinator: | Dr. Shimaa Ali | DR. Shimaa 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
منشأ بالقرار الوزاري رقم (2354) لسنة 2019

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: | [✓] 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% |



4. Grading of students passing the course:

| Pass | Good | Very Good | Excellent | | | | | | | | | | |
|--|--------------------|-----------|-----------|-------|--------------------|------|---|------|---|-----------|---|-----------|----|
| 0 | 3 | 7 | 11 | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Grade</th> <th>Number of Students</th> </tr> </thead> <tbody> <tr> <td>Pass</td> <td>0</td> </tr> <tr> <td>Good</td> <td>3</td> </tr> <tr> <td>Very Good</td> <td>7</td> </tr> <tr> <td>Excellent</td> <td>11</td> </tr> </tbody> </table> | | | | Grade | Number of Students | Pass | 0 | Good | 3 | Very Good | 7 | Excellent | 11 |
| Grade | Number of Students | | | | | | | | | | | | |
| Pass | 0 | | | | | | | | | | | | |
| Good | 3 | | | | | | | | | | | | |
| Very Good | 7 | | | | | | | | | | | | |
| Excellent | 11 | | | | | | | | | | | | |

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: -

| 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 | | | |



| | | | | | |
|---|--|----------|----------|--|-------|
| - 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 |



| 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 | -- |



وحدة ضمان الجودة



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

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



وحدة ضمان الجودة



وزارة التعليم العالي
المعهد العالي للهندسة والتكنولوجيا بالمنزلة
منشأ 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. Dr. Shaimaa Nosir 2. Eng. Aya Tarek (1) 3. Eng. Howida Ali (2) | |

B. Statistical Information: -

1. Statistics

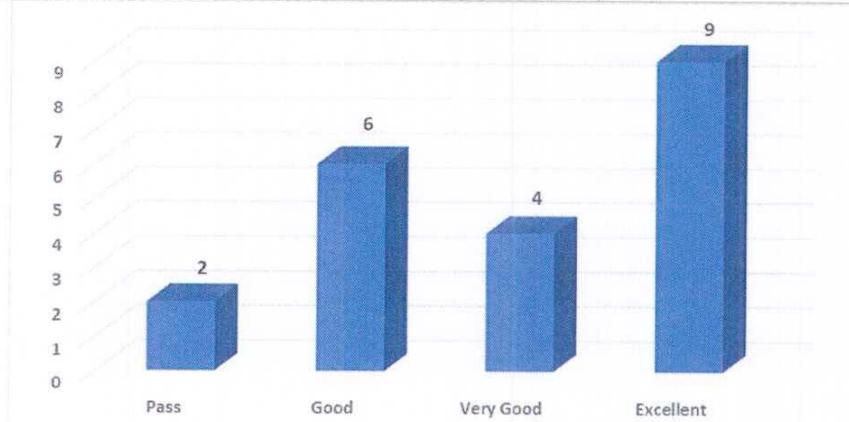
| | | | |
|--|------------------------|----|----------------|
| - No. of students starting the course | 21 | | |
| - No. of students attending the course | 21 | | |
| - Results | No. of Passed Students | 21 | Percentage (%) |
| | No. of Failed Students | 0 | Percentage (%) |



وحدة ضمان الجودة

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

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



وحدة ضمان الجودة

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

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 | | | |



| | | | | | | | | | | |
|---|---|----------|----------|-------|--|--|--|--|--|--|
| - 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 | <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 | | | | | | | | | | |
| 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%] | | | | | | | | | |



وحدة ضمان الجودة

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

| | | <ul style="list-style-type: none"> - Student assessment methods → [91.3%] - Co-Staff (1) → [85%] - Co-Staff (2) → [79%] <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 | | | | | | | |
|---|----------|---|--------------------|-----------------|------|--|--|--|--|
| 6. Suggestions for course enhancement: | | | | | | | | | |
| 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 | | | | | | | | | |
| 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>Ass. Prof. Dr. Marwa Mostafa</i> |
| Head of Department: | Ass. Prof. Dr. Marwa Mostafa | <i>Ass. Prof. Dr. Marwa Mostafa</i> |
| Dean: | Prof. Dr. Atteia Aref | <i>Prof. Dr. Atteia Aref</i> |
| Date | September 2023 | |



وحدة ضمان الجودة

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

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: | | <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. 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 (%) |
| | No. of Failed Students | 0 | Percentage (%) |



4. Grading of students passing the course:

| Pass | Good | Very Good | Excellent | | | | | | | | |
|--|------|-----------|-----------|------|-----------|-----------|---|---|---|----|--|
| - | - | 5 | 16 | | | | | | | | |
| <table border="1"> <tr> <td>Pass</td> <td>Good</td> <td>Very Good</td> <td>Excellent</td> </tr> <tr> <td>0</td> <td>0</td> <td>5</td> <td>16</td> </tr> </table> | | | Pass | Good | Very Good | Excellent | 0 | 0 | 5 | 16 | Comments: According to the graph, 21 students succeeded and 21 students received a grade of more than good, and the curve was also in an almost non-normal distribution. |
| Pass | Good | Very Good | Excellent | | | | | | | | |
| 0 | 0 | 5 | 16 | | | | | | | | |

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 | | | |



| | | | | | |
|---|---|----------|----------|--|-------|
| - 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 | <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 [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%] | | | | |
| 6. Suggestions for course enhancement: | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | |