

# Architecture Engineering and Building Technology B.Sc.

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## Annual Report By-Law 2012

2016-2017



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## Architectural Engineering and Building Technology

### PROGRAM REPORT

2016 / 2017

#### 1. General

##### 1.1 Basic Information

- 1- **Program title:** Architectural Engineering and Building Technology.
- 2- **Program type:** Single.
- 3- **Department offering the program:** Architectural Engineering and Building Technology.
- 4- **Co-coordinator:** Prof. Dr. Mona El.Basyouni & Dr. Passant Massoud.
- 5- **External evaluator:**
  - **Prof. Hania M. Hamdy** : Vice Dean for Postgraduate Studies & Research  
 Faculty of Engineering - Mataria-Helwan University.

6-**Year of operation:** 2001-2002

##### 1.2 Academic Standards

###### 1.2.1 Achievement of program intended learning outcomes, ILO's: 2<sup>nd</sup> year Architecture

| Code         | Subject                              | Total Credits | L         | Contact Hours |          |
|--------------|--------------------------------------|---------------|-----------|---------------|----------|
|              |                                      |               |           | T             | P        |
| ARC 211      | Architectural Construction 1         | 3             | 2         | 3             | -        |
| ARC 221      | Architectural Design 1               | 3             | 1         | 6             | -        |
| ARC 213      | Building Technology                  | 2             | 2         | -             | -        |
| ARC 214      | Computer Applications 1              | 4             | 2         | 3             | 2        |
| ARC 220      | Theories of Architecture (1)         | 2             | 2         | -             | -        |
| ARC 215      | Properties & Resistance of Materials | 2             | 1         | 3             | -        |
| ARC 223      | Visual Training (1)                  | 2             | 1         | 3             | -        |
| <b>Total</b> |                                      | <b>18</b>     | <b>11</b> | <b>18</b>     | <b>2</b> |

| Code         | Subject   | Total Credits | L         | Contact Hours |          |
|--------------|---|---------------|-----------|---------------|----------|
|              |   |               |           | T             | P        |
| ARC 212      | Architectural Construction 2                      | 3             | 2         | 3             | -        |
| ARC 222      | Architectural Design 2                            | 3             | 1         | 6             | -        |
| ARC 241      | History of Architecture (1)                       | 2             | 2         | -             | -        |
| MTH 208      | Statistical Mathematics for Arch. Engineering (8) | 2             | 1         | 3             | -        |
| ARC 216      | Surveying   | 2             | 1         | 1             | 2        |
| ARC 217      | Theory of Structures                              | 2             | 1         | 3             | -        |
| ARC 218      | Sciagraphy and perspective                        | 3             | 2         | 4             | -        |
| <b>Total</b> |   | <b>17</b>     | <b>10</b> | <b>20</b>     | <b>2</b> |

| Code    | Course Name                                       | Knowledge & Understanding                     | Intellectual Skills                | Practical & Professional Skills    | General & Transferable Skills |
|---------|---|---|------------------------------------|------------------------------------|-------------------------------|
|         |   | A   | B                                  | C                                  | D                             |
| MTH 208 | Statistical Mathematics for Arch. Engineering (8) | A1, A2, A5, A10                               | B1, B2, B3, B4<br>B7, B11          | C1, C2, C7, C13                    | D3, D7                        |
| ARC 211 | Architectural Construction 1                      | A3, A4, A24                                   | B2, B5, B11,<br>B12, B14, B22, B25 | C2, C3, C12, C14,<br>C23, C24, C25 | D1, D2, D3,<br>D6, D7, D8     |
| ARC 221 | Architectural Design 1                            | A4, A13, A14, A22<br>, A24                    | B2, B3, B13                        | C3, C4, C13, C17                   | D3, D7                        |
| ARC 213 | Building Technology                               | A1, A5, A24                                   | B4, B5,<br>B13, B17, B23, B25      | C1, C2, C23, C25                   | D1, D3,<br>D4, D5, D6,<br>D7  |
| ARC 214 | Computer Applications 1                           | A2, A4, A8, A14,<br>A15, A21                  | B1, B2, B3, B13                    | C5, C12, C13, C14,<br>C24          | D1, D3, D6,<br>D7             |
| ARC 220 | Theories of Architecture (1)                      | A1, A4, A11, A12, A14<br>, A16, A18, A19, A23 | B3, B9, B12, B20,                  | C1, C2, C13                        | D1, D2, D3,<br>D7             |
| ARC 215 | Properties & Resistance of                        | A1, A3, A4, A15                               | B3, B5, B6, B13, B17               | C2, C10, C15, C21, C               | D1, D3, D5                    |

|         |                              |                      |                           |                                |                       |
|---------|------------------------------|----------------------|---------------------------|--------------------------------|-----------------------|
|         | Materials                    |                      | ,B18                      | 22,C23                         |                       |
| ARC 223 | Visual Training (1)          | A13 , A20            | B4,B13,B14                | C13, C17 ,C18                  | D1,D3, D8             |
| ARC 212 | Architectural Construction 2 | A3, A4, A24          | B2,B5,B11, B12, B14 , B22 | C2, C3, C12, C14, C23, C24,C25 | D1, D2, D3, D6, D7,D8 |
| ARC 222 | Architectural Design 2       | A4,A13,A14, A22, A24 | B2, B3, B13               | C3, C4,C13,C17                 | D3,D7                 |
| ARC 241 | History of Architecture (1)  | A17,A19              | B4, B20,B21               | C18,C21,C22                    | D1,D2,D3, D4          |
| ARC 216 | Surveying                    | A4, A8, A14, A24     | B2, B9, B18, B22          | C1, C6, C15,C16                | D3, D5, D6            |
| ARC 217 | Theory of Structures         | A1,A4,A5,A8,A14      | B2,B3,B4,B5,B11, B13      | C1,C2,C3,C7, C24               | D6, D7                |
| ARC 218 | Sciagraphy and perspective   | A4, A13, A20         | B4,B14                    | C13, C18                       | D3, D8                |
| ARC 221 | Architectural Design 1       | A4,A13,A14,A22 ,A24  | B2,B3,B13                 | C3,C4,C13,C17                  | D3,D7                 |
| ARC 213 | Building Technology          | A1, A5, A24          | B4, B5, B13,B17,B23,B25   | C1, C2,C23 , C25               | D1, D3, D4,D5,D6, D7  |

### 3<sup>rd</sup> year Architecture

| Code    | Subject   | Total Credits | L | Contact Hours |   |
|---------|---|---------------|---|---------------|---|
|         |   |               |   | T             | P |
| ARC 311 | Architectural Construction & Building materials 1 | 3             | 2 | 3             | - |
| ARC 321 | Architecture & Human Studies                      | 2             | 2 | -             | - |
| ARC 322 | Architectural Design 3                            | 3             | 1 | 6             | - |
| ARC 324 | Design Methodology                                | 2             | 2 | -             | - |
| ARC 314 | Reinforced concrete & steel structures            | 3             | 2 | 3             | - |
| ARC 327 | Theories of Architecture (2)                      | 2             | 2 | -             | - |
| ARC 326 | History and Theories of planning                  | 2             | 2 | -             | - |

| Total        |   | 17            | 13        | 12            | -        |
|--------------|---|---------------|-----------|---------------|----------|
| Code         | Subject   | Total Credits | L         | Contact Hours |          |
|              |   |               |           | T             | P        |
| ARC 312      | Architectural Construction & Building materials 2 | 3             | 2         | 3             | -        |
| ARC 313      | Computer Applications 2                           | 4             | 2         | 3             | 2        |
| ARC 323      | Architectural Design 4                            | 3             | 1         | 6             | -        |
| ARC 328      | Visual Training (2)                               | 2             | 1         | 3             | -        |
| ARC 341      | History of Architecture (2)                       | 2             | 2         | -             | -        |
| ARC 310      | Environmental Control                             | 2             | 2         | -             | -        |
| ARC 315      | Foundation  | 2             | 2         |               |          |
| <b>Total</b> |   | <b>18</b>     | <b>12</b> | <b>15</b>     | <b>2</b> |
| ARC 360      | Architecture Training 1                           | 3             | -         | -             | 6        |
| <b>Total</b> |   | <b>3</b>      | <b>-</b>  | <b>-</b>      | <b>6</b> |

| Code    | Course Name                                       | Knowledge & Understanding         | Intellectual Skills          | Practical & Professional Skills   | General & Transferable Skills |
|---------|---|-----------------------------------|------------------------------|-----------------------------------|-------------------------------|
|         |   | A                                 | B                            | C                                 | D                             |
| ARC 311 | Architectural Construction & Building materials 1 | A14, A15, A20, A21, A23, A24, A25 | B14, B15, B17, B22, B23, B25 | C14, C15, C17, C22, C24, C23, C25 | D1, D2, D3, D6, D7, D8        |
| ARC 321 | Architecture & Human Studies                      | A4, A5, A17, A24                  | B3, B4, B19                  | C6, C12, C21, C2, C25             | D1, D3, D5, D6                |
| ARC 322 | Architectural Design 3                            | A5, A13, A14, A17, A18, A21       | B3, B4, B13, B14             | C3, C6, C17                       | D3, D7                        |
| ARC 324 | Design Methodology                                | A4, A5, A8, A9, A11               | B5, B7, B20                  | C3, C4, C8, C18, C12, C15, C20    | D3, D5, D6, D7                |



|         |   |                             |                                |                           |                              |
|---------|---|-----------------------------|--------------------------------|---------------------------|------------------------------|
| ARC 314 | Reinforced concrete & steel structures            | A4, A5,A6                   | B2, B3, B11,B24                | C1, C3, C7, C24           | D6, D7                       |
| ARC 327 | Theories of Architecture (2)                      | A15,A17,A18,A19             | B1,B2,B3,B4,B5 ,B6,B7,B8       | C1,C2,C3                  | D1,D2,D3,D4, D5,D6,D7,D8, D9 |
| ARC 326 | History and Theories of planning                  | A16,A15,A17,A18             | B2,B3,B18,B20, B21             | C13,C21,C22               | D1,D7,D8                     |
| ARC 312 | Architectural Construction & Building materials 2 | A14, A15, A20, A21, A23,A24 | B13, B14, B15, B17 , B22,B25   | C15, C14, C18, C25 , C24  | D1, D2,D3, D6, D7, D8        |
| ARC 313 | Computer Applications 2                           | A1,A4, A13, A14, A20        | B1, B4, B9, B13, B14, B15 ,B21 | C14,C15,C17,C 21          | D1,D2, D3, D5,D6 D7, D8      |
| ARC 323 | Architectural Design 4                            | A5, A13,A14,A17,A18 , A21   | B3, B4, B13, B14               | C3, C6, C17               | D3, D7                       |
| ARC 328 | Visual Training (2)                               | A1, A19, A13                | B13, B14, B16                  | C13, C14                  | D1, D2, D3, D6, D7           |
| ARC 341 | History of Architecture (2)                       | A12,A19                     | B7,B13,B14,B2 0,B21            | C12,C13.C18               | D2,D3,D4,D5, D9              |
| ARC 310 | Environmental Control                             | A5, A8, A12,A24             | B2, B3, B13, B15, B17          | C1, C2, C11, C17, C19,C25 | D1, D2,D3, D4,D5,D6, D7, D8  |
| ARC 315 | Foundation  | A3, A4 A5 A9, A15           | B2, B5, B6, B22,               | C2,C12, C13, C14          | D6                           |
| ARC 360 | Architecture Training 1                           | A10,A 14                    | B2,B16,B 18                    | C7, C 8                   | D1, D3, D8                   |

#### 4<sup>th</sup> year Architecture

| Code | Course Name | Knowledge & Understanding | Intellectual Skills | Practical & Professional Skills | General & Transferable Skills |
|------|-------------|---------------------------|---------------------|---------------------------------|-------------------------------|
|      |             | A                         | B                   | C                               | D                             |

|         |  |                                |                                   |   |                      |                     |             |
|---------|--|--------------------------------|-----------------------------------|---|----------------------|---------------------|-------------|
| ARC 421 | Architectural Design 5                             | A4,A11,A13,A23                 | B3,B4,B13,B14,B16,B17,B19,B20     | C4. C13. C15 . C17. C18 . C19 . C20 . C21 | D1,D3,D6,D7          |                     |             |
| ARC 423 | Housing & City Planning 1                          | A11,A16,A17,A19                | B10,B11                           | C6,C20                                    | D2,D3,D5             |                     |             |
| ARC 425 | Theories of Architecture and Arts (3)              | A4,A13,A19,A21,A24             | B3,B12,B14,B21                    | C13,C17,C18, C19                          | D3,D4,D5,D9          |                     |             |
| ARC 410 | Technical Installations and Plumbing Engineering 1 | A1, A4, A5,A6,A11,A12,A14,A24  | B2, B3, B4,B5, B7,B11,B24         | C1, C12,C15, C19,C22,C23,C25              | D6                   |                     |             |
| ARC 412 | Working Drawing & Construction Methods             | A4, A8,,A13 A14, A15, A21,A24  | B3, B4, B17 ,B22,B24              | C4, C10, C14, C15,C18,C23,C25,C24         | D2,D3,D6,D7          |                     |             |
| ARC 422 | Architectural Design 6                             | A4,A11,A13,A14,A17,A23         | B3,B4,B13,B14,B16,B17,B19,B20     | C4,C13,C15,C17,C18, C19,C20,C21           | D1,D3,D6,D7          |                     |             |
| ARC 424 | Housing & City Planning 2                          | A16,A17,A19, A22               | B10,B11,B12,B13                   | C5,C6,C21                                 | D2,D3,D5             |                     |             |
| ARC 440 | History of Architecture and Arts 3                 | A18, A19                       | B4,B13,B 20,B21                   | C20, C21,C22                              | D1, D3, D4, D8       |                     |             |
| ARC 411 | Technical Installations and Plumbing Engineering 2 | A1, A4, A5, A6,A11,A12,A14,A24 | B2, B3, B4,B5,B7,B11, B24         | C1, C12, C15,C19,C22,C23,C25              | D6                   |                     |             |
| ARC 413 | Working Drawing & Construction Methods             | A4, A8,A13, A14, A15, A21,A24  | B3, B4, B17 ,B22,B24              | C4, C10, C14, C15,C18,C23                 | D2,D3,D6,D7          |                     |             |
| ARC 43* | Elective course of Applied Engineering             | ARC 330                        | Construction & Building Equipment | A14 ,A15 ,A16,A24                         | B2,B3,B9,B20,B22,B23 | C11.C12,C15,C16,C23 | D6, D7      |
|         |  | ARC 430                        | Building Economics                | A2,A5. A6, A14,A15                        | B2, B9, B16, B22     | C1, C2,C23,C25      | D3, D8      |
|         |  | ARC 430**                      | Housing in Developing             | A9,A16,A22,A24                            | B2,B4,B12            | C15,C16,C18         | D2,D6,D8,D9 |

|         |                                 |          |  |                            |                                   |                                |                             |
|---------|---------------------------------|----------|--|----------------------------|-----------------------------------|--------------------------------|-----------------------------|
|         |                                 |          | Countries                              |                            |                                   |                                |                             |
|         |                                 | ARC 431  | Urban Renewal                          | A7,A16                     | B10,B11,B20                       | C1,C8                          | D6,D7                       |
|         |                                 | ARC 432  | Design, Environmental Planning & Power | A11,A18,A21, A24           | B2, B3, B13, B15, B17,B22,B24.    | C1, C2, C12, C17, C19,C25      | D1, D2,D3, D4,D5,D6, D7, D8 |
|         |                                 | ARC 433  | Building Technology & Structure System | A1,A3, A4,A8, A17, A24,A25 | B4, B5, B13,B23,B22               | C1, C2,C23,C25                 | D1, D3, D4, D5, D6, D7      |
|         |                                 | ARC 434  | Modular Coordination                   | A1,A6,A8                   | B1,B2,B9                          | C1,C5,C10                      | D6                          |
| ARC 45* | Elective course of Basic Human. | ARC 450  | Project Manag.                         | A3, A6, A25                | B3, B17                           | C2, C3                         | D6, D9                      |
|         |                                 | ARC 451  | Architecture, Civilization & Heritage  | A5, A9, A11, A17           | B18,B19, B21                      | C19, C21,C22                   | D3, D6, D9                  |
|         |                                 | ARC 452  | Advanced Studies in Interior Design    | A12,A13,A20,A21            | B1, B2, B5, B9, B13, B14, B15,B22 | C1, C2, C3, C 4, C10, C16, C17 | D1, D2, D3, D5, D6          |
| ARC 460 | Architecture Training 2         | A10,A 20 | B1,B2,B 18                             | C5, C 12                   | D1, D3, D8                        |                                |                             |

|         |  |  |  |  |                            |                   |                    |
|---------|--|--|--|--|----------------------------|-------------------|--------------------|
| ARC 521 | Architectural Design 7                       | A13, A14,A20,A21                             | B4, B14, B16, B20,B21                        | C4, C13, C18, C19,C22                    | D2, D3, D7, D9             |                   |                    |
| ARC 522 | City Planning                                | A11, A16, A17, A19                           | B10, B11,B14, B19                            | C6, C20                                  | D2, D3, D5                 |                   |                    |
| ARC 540 | History and theories of Architecture (4)     | A1, A3, A4, A7, A8, A19, A11, A17,A24        | B4, B5, B14, B19                             | C1, C2, C4, C12                          | D1, D2, D3, D4, D5, D7     |                   |                    |
| ARC 511 | Working Drawing & Construction Documents     | A3, A5, A6, A11, A12, A15, A20, A21, A23,A24 | B9, B12, B13, B14, B15, B16, B20,B22,B23,B24 | C1, C2, C10, C12, C14, C15,C23,C24,C 25, | D1, D2, D3, D6, D7, D8     |                   |                    |
| ARC 513 | Quantities Computing & Contracting Methods   | A3, A5, A6, A8, A14,,A24,A25                 | B3, B5,B9, B16, B17,B19,B22,B23 ,B24         | C3, C6, C8, C11, C15,C23,                | D1, D2, D7                 |                   |                    |
| ARC 512 | Building Regulations & Professional Practice | A7, A16, A25                                 | B12, B20                                     | C1, C8                                   | D6, D7                     |                   |                    |
| ARC 560 | Project                                      | A4, A5, A8, A9, A10, A11, A12,A13, A17       | B2, B3, B4, B7, B13,B14,, B15, B17,B20       | C1, C2, C3, C4, C12, C13                 | D2, D3, D4, D6, D7, D8     |                   |                    |
| ARC 523 | Urban Design                                 | A9, A16,A19                                  | B10, B20                                     | C13,C18,C19,C 22,                        | D1, D5                     |                   |                    |
| ARC 53* | Elec. course of Appli. Eng.                  | ARC 530                                      | Urban & Envir. Conservation                  | A1, A5, A11, A16,A17,A18,A19,A21         | B18,B19, B21, C17, C21,C22 | D1, D5,D7         |                    |
|         |  | ARC 531                                      | Advanced Building Economics                  | A4,A6, A14,A24,A25                       | B16, B22,B23               | C2, C16           | D3, D8             |
|         |  | ARC 532                                      | Computer in Architecture                     | A13, A19, A20                            | B1, B4, B13,B19            | C5, C12, C13, C14 | D1, D3, D6, D7     |
|         |  | ARC 533                                      | Modern Building System &Materials            | A8, A12, A14,A24,A25                     | B5, B17,B23                | C8,, C14,C25      | D6                 |
| ARC 55* | Basic Human                                  | ARC 551                                      | Aesthetics & Formation                       | A13,A14,A16,A19                          | B4,B5,B13,B18              | C3,C9,C13         | D1, D2, D3, D7, D8 |

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|  |  |         |                        |                  |                      |                     |            |
|--|--|---------|------------------------|------------------|----------------------|---------------------|------------|
|  |  | ARC 554 | Architecture Criticism | A9, A11,A16, A17 | B18,B19, B20,<br>B21 | C18,<br>C20,C21,C22 | D3, D6, D9 |
|--|--|---------|------------------------|------------------|----------------------|---------------------|------------|

Regarding the previous table we observe the achievement of program intended learning outcomes to be covered by all courses taught:

**Comments of external evaluator and other stakeholders**

# Architecture Engineering and Building Technology B.Sc.

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## Program Report By-Law 2012

2016-2017

| S  | Course  |                                   |
|----|---------|-----------------------------------|
|    | Code    | Title                             |
| 1  | CHE100  | Chemistry                         |
| 3  | GEN 141 | قضايا اجتماعية معاصره             |
| 2  | GEN 142 | English                           |
| 4  | GEN 143 | تاريخ الهندسة والتكنولوجيا        |
| 5  | MEC 101 | Mechanics (1)-Statics             |
| 6  | MEC 102 | Mechanics (2)-Dynamics            |
| 7  | MTH 101 | Algebra and Calculus              |
| 8  | MTH 102 | Integration and Analytic Geometry |
| 9  | PHY 101 | Physics                           |
| 10 | PHY 102 | Physics                           |

## Annual Course Report Academic year 2016-2017

### A- Basic Information

1- Course Code & Title:(CHE100)Chemistry

2- Program(s) on which this course is given:

Manufacturing Engineering and Production Technology BSc Program  
Electronic Engineering and Communication Technology BSc Program  
Computer Engineering and Information Technology BSc Program  
Architecture Engineering and Building Technology BSc Program

3- Year/Level of program: First Year/Second Semester

4- Credit hours

Credit 3 hrs. Lectures 2 hrs. Tutorial 1 hrs. Practical 2 hrs.

5- Names of lecturers contributing to the delivery of the course: Prof. Dr. Shaban Ragab Gouda

6- Course coordinator: Prof. Dr. Shaban Rageb Gouda

7- External evaluator: Non

### B- Statistical Information

1- No. of students attending the course:

|     |      |     |   |
|-----|------|-----|---|
| No. | 1250 | 100 | % |
| No. | 1250 | 100 | % |

2- No. of students completing the course:

3- Results:

|        | No.  | %     |
|--------|------|-------|
| Passed | 1122 | 89.76 |
| Failed | 122  | 10.24 |

| Grading of successful students: |     |       |
|---------------------------------|-----|-------|
| Grade                           | No. | %     |
| Excellent                       | 353 | 28.24 |
| Very Good                       | 139 | 11.12 |
| Good                            | 133 | 10.64 |
| Pass                            | 185 | 14.8  |

### C- Professional Information

1 – Course teaching

| Topic  | Total hours |        | Lecturer               |
|--|-------------|--------|------------------------|
|  | Plan.       | Actual |                        |
| • Gas law and gas liquefaction               | 6           | 6      | Prof. Dr. Shaban Rageb |
| • Liquid state, refrigeration and heat pump. | 6           | 6      |                        |
| • Electrochemistry and metallic corrosion.   | 5           | 5      |                        |
| • Solution and antifreezes                   | 3           | 3      |                        |
| • Thermo chemistry and solar heat.           | 3           | 3      |                        |
| • Pollution                                  | 0           | 0      |                        |
| • water treatment and distillation           | 14          | 14     |                        |

|   |   |   |  |
|---|---|---|--|
| • polymer and industry  | 3 | 3 |  |
| • fuels and combustion  | 3 | 3 |  |
| • Chemistry and tech. of petroleum and new trends in energy resource. | 3 | 3 |  |
| <b>Total hours</b>  |   |   |  |

Topics taught as a percentage of the content specified: >90 %  
Reasons in detail for not teaching any topic: non

If any topics were taught which are not specified, give reasons in detail: Non  
Achieved program intended learning outcomes, ILO's:

|                           |                     |                |                             |
|---------------------------|---------------------|----------------|-----------------------------|
| Knowledge & Understanding | Intellectual skills | Applied Skills | General transferable skills |
| a1 to a12                 | b1 to b7            | c1 to c6       | d1 to d5                    |

## 2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials and problem solving  
Practical training/ laboratory: Practical Training and experimental measurements in Lab  
Seminar/Workshop: Non  
Class activity: Exercises; solution of problems and data show.  
Other assignments/homework: Bi-weekly assignments and reports  
If teaching and learning methods were used other than those specified, give reasons: Non

## 3- Student assessment:

| Method of assessment         | Points | %   |
|------------------------------|--------|-----|
| Written examination          | 60     | 60  |
| Oral examination             | Non    | 0   |
| Practical/laboratory work    | 20     | 20  |
| Other assignments/class work | 10     | 10  |
| Mid-Term Exam                | 10     | 10  |
| Total                        | 100    | 100 |

Members of examination committee: Prof. Dr. Shaban RagabGouda

Role of external evaluator: Non

## 4- Facilities and teaching materials:

|                         |     |
|-------------------------|-----|
| Totally adequate        | Yes |
| Adequate to some extent |     |
| Inadequate              |     |

List any inadequacies: Non

## 5- Administrative constraints (List any difficulties encountered)

➤ Non

**6- Student evaluation of the course:**

|     | List any criticisms  | Response of course team  |
|-----|--|--|
| (a) | it is recommended to solve more examples in the exercises                                    | Only a balanced proportion of exercises are solved in the class, the rest are presented as assignments |
| (b) | The assignment are corrected without giving detailed comments concerning the correct answers | The correct results of problems solutions of problems will be presented during the exercises periods   |
| (c) | It is recommended to announce the points of mid- term, rather than the grades.               | The form and timing of declaration of year work evaluation results follow the Academy policy.          |

**7- Comments from external evaluator(s):**

|     | Comment | Response of course team |
|-----|---------|-------------------------|
| (a) | Non     |                         |

**8- Written Exam Evaluation**

- High success percentage in the good level of the final written exam.
- The whole exam result shows considerable weakness in report writing and English language level.

**9- Course enhancement:**

Progress on actions identified in the previous year's action plan.State whether or not completed and gi reasons for any non-completion:

| Actions required                                 | Planned Completion date | Accomplishment   |
|--|-------------------------|--|
| (a) Add more experiments to chemistry Laboratory | December 2016           | Two experimentsare already added on September 2016.One more is planned for May 2017. |

**10- Action plan for academic year 2017 – 2018**

| Actions required  | Completion date | Person responsible     |
|---|-----------------|------------------------|
| 1. adding more assignments reports and quizzes for Chapters 10 and 11 | December 2018   | Prof. Dr. Shaban Rageb |

**Course coordinator:** Prof. Dr Shaban Rageb

**Signature:**

**Date:** September 2017



## Annual Course Report Academic year 2016-2017

### A- Basic Information

- 1- Course Code & Title: (GEN 141) قضايا اجتماعية معاصرة
- 2- Program(s) on which this course is given: قسم العلوم الاساسية
- 3- Year/Level of program: First Semester
- 4- Credit hours  
Credit 2 hrs Lectures 2 hrs Tutorial - Practical -
- 5- Names of lecturers contributing to the delivery of the course: Prof. Dr. شيماء نبيه
- 6- Course coordinator: Prof. Dr شيماء نبيه
- 7- External evaluator: Non

### B- Statistical Information

- 4- No. of students attending the course: No. 1335 100 %
- 5- No. of students completing the course: No. 1335 100 %
- 6- Results:

|        | No.  | %     |
|--------|------|-------|
| Passed | 1262 | 94.53 |
| Failed | 73   | 5.47  |

| Grading of successful students: |     |       |
|---------------------------------|-----|-------|
| Grade                           | No. | %     |
| Excellent                       | 416 | 31.16 |
| Very Good                       | 211 | 15.81 |
| Good                            | 231 | 17.3  |
| Pass                            | 404 | 30.26 |

### C- Professional Information

#### 1 - Course teaching

| Topic  | Total hours |        | Lecturer             |
|--|-------------|--------|----------------------|
|  | Plan.       | Actual |                      |
| الانتماء اهميته واصول المجتمع -العادات والتقاليد المرعية -المواطنه - العوامل المحفزه لحب الوطن ( الحرية - احترام الرأي الاخر - عدم التمييز العنصري - الديمقراطية)                          |             |        | Prof. Dr. شيماء نبيه |
| النمو والتكامل الاقتصادي -المكونات الاجتماعية والاقتصادية للمجتمع - اساليب قياده -اساليب ترشيد الموارد - الابتكار وتجديد الموارد - الحوافز الخاصة بافراد المجتمع - اساليب تقييم المشروعات) |             |        |                      |
| (بناء الاسرة - تكوين الاسرة - التنشئة الاجتماعية - النسق الاسري والانساق الاخرى - المؤسسات التقليدية والحديثة الخاصة بالاسرة )   |             |        |                      |
| (مهارات العمل الجماعي - اهمية العمل الفريقي - الفارق بين العمل الجماعي والفريقي - كيفية اعداد القادة )   |             |        |                      |
| <b>Total hours</b>   |             |        |                      |

Topics taught as a percentage of the content specified: >90 % 70-90 % <70%

Reasons in detail for not teaching any topic: Non

If any topics were taught which are not specified, give reasons in detail: Non

Achieved program intended learning outcomes, ILO's:

|                           |                     |                |                             |
|---------------------------|---------------------|----------------|-----------------------------|
| Knowledge & Understanding | Intellectual skills | Applied Skills | General transferable skills |
| a1 to a3                  | b1 to b3            | -              | d1 to d3                    |

## 2- Teaching and learning methods:

|  |   |
|--|---|
| Lectures:  | Lecture, discussions, tutorials, problem solving and modeling |
| Practical training/ laboratory:  | Non   |
| Seminar/Workshop:  | Lecture   |
| Class activity   | Non   |
| Case Study:  | Selected case studies   |
| Other assignments/homework:  | Bi-weekly assignments and reports                             |
| If teaching and learning methods were used other than those specified, give reasons: | Non   |

## 3- Student assessment:

| Method of assessment         | Points | %   |
|------------------------------|--------|-----|
| Written examination          | 70     | 70  |
| Oral examination             | Non    | 0   |
| Practical/laboratory work    | Non    | 0   |
| Other assignments/class work | 30     | 30  |
| Mid-Term Exam                | Non    | 0   |
| Total                        | 100    | 100 |

Members of examination committee: Dr. شيماء نبيه

Role of external evaluator: Non

## 4- Facilities and teaching materials:

|                         |     |
|-------------------------|-----|
| Totally adequate        | Yes |
| Adequate to some extent |     |
| Inadequate              |     |

List any inadequacies: Non

## 5- Administrative constraints (List any difficulties encountered)

➤ Non

## 6- Student evaluation of the course:

|     | List any criticisms  | Response of course team   |
|-----|--|---|
| (a) | يري بعض عدم اهمية لدراسة العلوم الانسانية في لطلاب كلية الهندسة        | تخصيص اكثر من محاضرة لتوضيح اهمية دراسة العلوم الانسانية في الحياة العملية بجانب دراسة التخصص         |
| (b) | يري بعض الطلاب اضافة بعض الموضوعات التي تناسب تخصصهم ودراساتهم للهندسة | تخصيص محاضرتين يعرض فيها الطلبة بعض المهارات التي تساعد في الحياة العملية مثل العمل الفرقي او الاقناع |

## 7- Comments from external evaluator(s):

|     | Comment | Response of course team |
|-----|---------|-------------------------|
| (a) | Non     | Non                     |

**8- Written Exam Evaluation**

**9- Course enhancement:**

Progress on actions identified in the previous year's action plan. State whether or not completed and give reasons for any non-completion:

**9- Action plan for academic year 2017- 2018**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| Non              | January 2017    | Dr. shimaanabih    |

**Course coordinator:** Prof. Dr. شيماء نبيه

**Signature:**

**Date:** Sep.2017

## Annual Course Report Academic year 2017-2018

### A- Basic Information

1- Course Code & Title:(Gen. 142) English

2- Program(s) on which this course is given: Manufacturing Engineering and Production Technology BSc Program

Electronic Engineering and Communication Technology BSc Program  
Computer Engineering and Information Technology BSc Program  
Architecture Engineering and Building Technology BSc Program

3- Year/Level of program: 1st Year/Second Semester

4- Credit hours

Credit 2 hrs      Lectures 2 hrs      Tutorial      Practical

5- Course coordinator: Dr. Neveen Samir

6- External evaluator: None

### B- Statistical Information

7- No. of students attending the course:

|     |      |     |   |
|-----|------|-----|---|
| No. | 1048 | 100 | % |
|-----|------|-----|---|

8- No. of students completing the course:

|     |     |      |   |
|-----|-----|------|---|
| No. | 980 | 93.5 | % |
|-----|-----|------|---|

9- Results:

|        | No. | %     |
|--------|-----|-------|
| Passed | 898 | 91.63 |
| Failed | 82  | 8.36  |

| Grading of successful students: |     |       |
|---------------------------------|-----|-------|
| Grade                           | No. | %     |
| Excellent                       | 90  | 9.1   |
| Very Good                       | 213 | 21.73 |
| Good                            | 298 | 30.40 |
| Pass                            | 379 | 38.67 |

### C- Professional Information

1 – Course teaching

| Topic  | Total hours |        | Lecturer         |
|--|-------------|--------|------------------|
|  | Plan.       | Actual |                  |
| ➤ Computer Hackers   | 2           | 2      | Dr. Neveen Samir |
| ➤ At the Doctor's  |             |        |                  |
| ➤ Reviewing tenses   |             |        |                  |
| ➤ Reading  |             |        |                  |
| ➤ Speaking: role play  |             |        |                  |
| ➤ Assignment: Write 5 lines giving advice on how to improve your English/study skills/social life. | 2           | 2      |                  |

|  |   |   |  |
|--|---|---|--|
| <ul style="list-style-type: none"> <li>➤ <b>At the Doctor's</b>(to be continued)</li> <li>➤ Grammar: perfect tenses&amp; prefixes</li> <li>➤ Speaking: role play</li> <li>➤ Assignment: Write a letter to your friend advising him/ her about healthy habits.&amp;pp.</li> </ul> | 2 | 2 |  |
| <ul style="list-style-type: none"> <li>➤ <b>Global Warming</b></li> <li>➤ Reading</li> <li>Speaking : English communication skills</li> <li>➤ Suffixes &amp;adj.&amp;adv.</li> <li>➤ Peer editing</li> </ul>   | 2 | 2 |  |
| <p><b>Computer Addiction</b><br/>Reading: 53-55<br/>Seaking: discussing the topic<br/>Grammar: adjectives<br/>Assignment:</p>  | 2 | 2 |  |
| <p><b>Earthquake</b><br/>Reading: 59-61<br/>Grammar: Suffixes<br/>Speaking: role play<br/>Assignment:</p>  | 2 | 2 |  |
| <p><b>Words and their Stories</b><br/>Reading<br/>Grammar: wh-questions and negatives<br/>Speaking: practice making questions<br/>Assignment:</p>  | 2 | 2 |  |
| <p><b>Revision</b><br/><b>7<sup>th</sup> week Exam</b></p>   | 2 | 2 |  |
| <p><b>Describing People &amp;Things</b><br/><b>Reading :</b><br/><b>Grammar:</b> adj.&amp; adv.<br/>Speaking : English communication skills<br/><b>Assignment:</b> Write a paragraph on the advantages and disadvantages of the internet.</p>                                    | 2 | 2 |  |
| <p><b>Describing People &amp;Things (to becontiued)</b><br/><b>Reading :</b><br/><b>Grammar :</b> relative clauses<br/>Speaking : English communication skills</p>   | 2 | 2 |  |
| <p><b>Qualities and Flaws</b><br/>Speak:dicussingqualities and flaws of each one (pair work<br/><b>Grammar:</b> Possession Pronouns+ Adjectives<br/><b>Assignment:</b> internet research</p>   | 2 | 2 |  |
| <p><b>Qualities and Flaws (to becontinued)</b><br/><b>List. &amp; Speak:</b>dicussing the topic<br/>Speaking : English communication skills<br/><b>Grammar:</b> Comparative &amp; superlative<br/><b>Assignment:</b> peer editing</p>  | 2 | 2 |  |

|   |    |    |  |
|---|----|----|--|
| <b>People Idioms</b><br><b>Grammar:</b> gerund "& to infinitive & adjectives with prepositions<br>Speaking : English communication skills<br>➤ <b>Assignment:</b> internet research | 2  | 2  |  |
| <b>English proverbs</b><br>➤ <b>Grammar: problem verbs</b><br>Speaking : English communication skills<br>Revision   | 2  | 2  |  |
| ➤ Revision  | 2  | 2  |  |
| <b>Total hours</b>  | 30 | 30 |  |

Topics taught as a percentage of the content specified: >90 %

Reasons in detail for not teaching any topic:

None

If any topics were taught which are not specified, give reasons in detail:

None

Achieved program intended learning outcomes, ILO's:

|                           |                     |                |                             |
|---------------------------|---------------------|----------------|-----------------------------|
| Knowledge & Understanding | Intellectual skills | Applied Skills | General transferable skills |
| A9 , A10                  | C11 , C12           | B4             | D1 to D8                    |

## 2- Teaching and learning methods:

Lectures: Lecture, discussions, doing exercises,

Practical training/ laboratory: None

Seminar/Workshop: None

Class activity: Doing exercises (pair work & group work)

Other assignments/homework: Bi-weekly assignments and reports

If teaching and learning methods were used other than those specified, give reasons: None

## 3- Student assessment:

| Method of assessment         | Points | %   |
|------------------------------|--------|-----|
| Written examination          | 70     | 70  |
| Oral examination             | None   | 0   |
| Practical/laboratory work    | -      | -   |
| Other assignments/class work | 15     | 15  |
| Mid-Term Exam                | 15     | 15  |
| Total                        | 100    | 100 |

**Members of examination committee:** Dr. Neveen Samir

**Role of external evaluator:** None

## 4- Facilities and teaching materials:

|                         |     |
|-------------------------|-----|
| Totally adequate        |     |
| Adequate to some extent | Yes |
| Inadequate              |     |

List any inadequacies: None

## 5- Administrative constraints (List any difficulties encountered)

➤ None

**6- Student evaluation of the course:**

|     | List any criticisms  | Response of course team   |
|-----|--|---|
| (a) | It is recommended to announce the points of mid- term, rather than the grades. | The form and timing of declaration of year work evaluation results follow the Academy policy. |

**7- Comments from external evaluator(s):**

|     | Comment | Response of course team |
|-----|---------|-------------------------|
| (a) | None    |                         |

**8- Written Exam Evaluation**

➤ The exam level is convenient, considering the percentage of success.

**9- Course enhancement:**

Progress on actions identified in the previous year's action plan.State whether or not completed and give reasons for any None-completion:

| Actions required | Planned Completion date | Accomplishment |
|------------------|-------------------------|----------------|
| None             | None                    | None           |

**9- Action plan for academic year 2017 – 2018**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| None             | None            | None               |

**Course coordinator:** Dr Neveen

**Signature:**

**Date:** September 1, 2017

## Annual Course Report Academic year 2016-2017

### A- Basic Information

- 1- Course Code & Title: (GEN 143) تاريخ الهندسة والتكنولوجيا
- 2- Program(s) on which this course is given:  
Manufacturing Engineering and Production Technology BSc Program  
Electronic Engineering and Communication Technology BSc Program  
Computer Engineering and Information Technology BSc Program  
Architecture Engineering and Building Technology BSc Program
- 3- Year/Level of program: Firstyear
- 4- Credit hours  
Credit 2 hrs Lectures 2 hrs Tutorial - Practical -
- 5- Names of lecturers contributing to the delivery of the course: Dr. مروه فؤاد - Dr. شيماء شريف
- 6- Course coordinator: Dr مروه فؤاد
- 7- External evaluator: Non

### B- Statistical Information

- 10- No. of students attending the course: No. 1052 100 %
- 11- No. of students completing the course: No. 1042 99.05 %
- 12- Results:

|        | No. | %     |
|--------|-----|-------|
| Passed | 932 | 89.44 |
| Failed | 110 | 10.56 |

| Grading of successful students: |     |       |
|---------------------------------|-----|-------|
| Grade                           | No. | %     |
| Excellent                       | 322 | 30.90 |
| Very Good                       | 205 | 19.67 |
| Good                            | 190 | 18.23 |
| Pass                            | 215 | 20.63 |

### C- Professional Information

#### 1 - Course teaching

| Topic   | Total hours |        | Lecturer                        |
|---|-------------|--------|---------------------------------|
|   | Plan.       | Actual |                                 |
| العلم و الهندسة والتكنولوجيا                    | 2           |        | Dr. مروه فؤاد<br>Dr. شيماء شريف |
| الهندسة و البحث العلمى - منظومة البحث العلمى    | 2           |        |                                 |
| لهندسة وخريطة البحث العلمى - مراحل البحث العلمى | 2           |        |                                 |
| تاريخ الهندسة و التكنولوجيا فى مختلف العصور     | 2           |        |                                 |
| نقل التكنولوجيا                                 | 4           |        |                                 |
| نشاطات العمل الهندسى و مسئوليات المهندس         | 2           |        |                                 |
| التعليم الهندسى                                 | 2           |        |                                 |
| <b>Total hours</b>                              |             |        |                                 |

Topics taught as a percentage of the content specified: >90 % 70-90 % <70%

Reasons in detail for not teaching any topic: Non

If any topics were taught which are not specified, give reasons in detail: Non



Achieved program intended learning outcomes, ILO's:

|                           |                     |                |                             |
|---------------------------|---------------------|----------------|-----------------------------|
| Knowledge & Understanding | Intellectual skills | Applied Skills | General transferable skills |
| a1 to a4                  | b1 to b4            | -              | d1 to d4                    |

## 2- Teaching and learning methods:

|  |   |
|--|---|
| Lectures:  | Lecture, discussions, tutorials, problem solving and modeling |
| Practical training/ laboratory:  | Non   |
| Seminar/Workshop:  | Lecture   |
| Class activity   | Non   |
| Case Study:  | Selected case studies   |
| Other assignments/homework:  | Bi-weekly assignments and reports                             |
| If teaching and learning methods were used other than those specified, give reasons: | Non   |

## 3- Student assessment:

| Method of assessment         | Points | %   |
|------------------------------|--------|-----|
| Written examination          | 70     | 70  |
| Oral examination             | 15     | 15  |
| Practical/laboratory work    | Non    | 0   |
| Other assignments/class work | 15     | 15  |
| Mid-Term Exam                | Non    | 0   |
| Total                        | 100    | 100 |

Members of examination committee: :Dr. مروه فؤاد - Dr. شيماء شريف

Role of external evaluator: Non

## 4- Facilities and teaching materials:

|                         |     |
|-------------------------|-----|
| Totally adequate        | Yes |
| Adequate to some extent |     |
| Inadequate              |     |

List any inadequacies: Non

## 5- Administrative constraints (List any difficulties encountered)

➤ Non

## 6- Student evaluation of the course:

|     | List any criticisms   | Response of course team  |
|-----|---|--|
| (a) | يري بعض عدم اهمية لدراسة العلوم الانسانية في لطلاب كلية الهندسة       | تخصيص اكثر من محاضرة لتوضيح اهمية دراسة العلوم الانسانية في الحياة العملية بجانب دراسته للتخصص |
| (b) | يري بعض الطلاب اضافة بعض الموضوعات التي تناسب تخصصهم ودراستهم للهندسة | تخصيص محاضرتين يعرض فيها الطلبة بعض المهارات التي تساعد في الحياة العملية                      |

## 7- Comments from external evaluator(s):

|     | Comment | Response of course team |
|-----|---------|-------------------------|
| (a) | Non     | Non                     |

**8- Written Exam Evaluation**

**9- Course enhancement:**

Progress on actions identified in the previous year's action plan. State whether or not completed and give reasons for any non-completion:

**9- Action plan for academic year 2016– 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| Non              | January 2017    | Dr. مروه فؤاد      |

**Course coordinator:** Dr. مروه فؤاد

**Signature:**

**Date:** September 1, 2017

## Annual Course Report Academic year 2016-2017

### A- Basic Information

1- Course Code & Title: (MEC101) Mechanics (1)-Statics

2- Program(s) on which this course is given:

Manufacturing Engineering and Production Technology BSc Program  
 Electronic Engineering and Communication Technology BSc Program  
 Computer Engineering and Information Technology BSc Program  
 Architecture Engineering and Building Technology BSc Program

3- Year/Level of program: First Year/First Semester

4- Credit hours

Lectures: 2 hrs      Tutorial 1 hrs      Practical

5- Names of lecturers contributing to the delivery of the course: Dr.MoamenWafaie

6- Course coordinator: Dr.MoamenWafaie

7- External evaluator: Non

### B- Statistical Information

13- No. of students attending the course:

|     |      |       |   |
|-----|------|-------|---|
| No. | 1395 | 100   | % |
| No. | 1324 | 94.91 | % |

14- No. of students completing the course:

15- Results:

|        | No. | %    |
|--------|-----|------|
| Passed | 973 | 73.5 |
| Failed | 351 | 26.5 |

| Grading of successful students: |     |      |
|---------------------------------|-----|------|
| Grade                           | No. | %    |
| Excellent                       | 85  | 8.7  |
| Very Good                       | 154 | 15.8 |
| Good                            | 284 | 29.1 |
| Pass                            | 450 | 46.4 |

### C- Professional Information

1 – Course teaching

| Topic              |   |           |           | Tutorial hours |
|--------------------|---|-----------|-----------|----------------|
| 1                  | Forces in plane   | 2         | 2         |                |
| 2                  | Component of a Force- Rectangular Component – Resultant             | 4         | 4         |                |
| 3                  | Force in space  | 4         | 4         |                |
| 4                  | Force defined by its magnitude and two points on its line of action | 4         | 4         |                |
| 5                  | Moment of a force about a point                                     | 2         | 2         |                |
| 6                  | Rectangular Components of the moment of a Force                     | 2         | 2         |                |
| 7                  | Moment of a forcmtc about a specified axis- moment of a couple      | 2         | 2         |                |
| 8                  | Equivalent system – Resultants of a force and couple sys            | 2         | 2         |                |
| 9                  | Support reaction in plane   | 2         | 2         |                |
| 10                 | Support reaction in space   | 2         | 2         |                |
| 11                 | Trusses   | 4         | 4         |                |
| <b>Total hours</b> |   | <b>30</b> | <b>30</b> |                |

Topics taught as a percentage of the content specified: More than 95 %  
 Reasons in detail for not teaching any topic:  
 Non  
 If any topics were taught which are not specified, give reasons in detail:  
 Non  
 Achieved program intended learning outcomes, ILO's:

|                           |                     |                |                             |
|---------------------------|---------------------|----------------|-----------------------------|
| Knowledge & Understanding | Intellectual skills | Applied Skills | General transferable skills |
| a1 to a5                  | b1 to b6            | None           | d1 to d3                    |

**2- Teaching and learning methods:**

Lectures: Lecture, discussions, tutorials, problem solving  
 Practical training/ laboratory:  
 Seminar/Workshop:  
 Class activity Numerical exercises; solution of problems  
 Case Study: Selected case studies  
 Other assignments/homework: Bi-weekly assignments and reports  
 If teaching and learning methods were used other than those specified, give reasons: Non

**3- Student assessment:**

| Method of assessment         | Points | %   |
|------------------------------|--------|-----|
| Written examination          | 70     | 70  |
| Oral examination             | Non    | 0   |
| Practical/laboratory work    | Non    | 0   |
| Other assignments/class work | 15     | 15  |
| Mid-Term Exam                | 15     | 15  |
| Total                        | 100    | 100 |

Members of examination committee: Prof.Dr.Eng. Hassan Awad

Role of external evaluator: Non

**4- Facilities and teaching materials:**

|                         |     |
|-------------------------|-----|
| Totally adequate        |     |
| Adequate to some extent | Yes |
| Inadequate              |     |

List any inadequacies: Non

**5- Administrative constraints (List any difficulties encountered)**

➤ Non

**6- Student evaluation of the course:**

|     | List any criticisms  | Response of course team  |
|-----|--|--|
| (a) | It is recommended to solve more examples in the exercises                | Only a balanced proportion of numerical exercises are solved in the class, the rest are presented as assignments |
| (b) | The assignment are corrected without giving detailed comments concerning | The correct results of problems solutions of problems will be presented during the exercises                     |

|     |  |   |
|-----|--|---|
|     | the correct answers  | periods   |
| (c) | It is recommended to announce the points of mid- term, rather than the grades. | The form and timing of declaration of year work evaluation results follow the Academy policy. |

**7- Comments from external evaluator(s):**

|     | Comment | Response of course team |
|-----|---------|-------------------------|
| (a) | Non     |                         |

**8- Course enhancement:**

Progress on actions identified in the previous year's action plan.State whether or not completed and give reasons for any non-completion:

| Actions required | Planned Completion date | Accomplishment |
|------------------|-------------------------|----------------|
| None             | None                    | None           |

**9- Action plan for academic year 2016 – 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| None             | None            | None               |

**Course coordinator:**Dr. Moamen Wafaie

**Signature:**

**Date:** September 2017

## Annual Course Report Academic year 2016-2017

### A- Basic Information

1- Course Code & Title: (MEC 102) Mechanics (2)-Dynamics

2- Program(s) on which this course is given:

Manufacturing Engineering and Production Technology BSc Program  
Electronic Engineering and Communication Technology BSc Program  
Computer Engineering and Information Technology BSc Program  
Architecture Engineering and Building Technology BSc Program

3- Year/Level of program: First Year/ Second Semester

4- Credit hours

Lectures: 2 hrs      Tutorial 2 hrs      Practical

5- Names of lecturers contributing to the delivery of the course: .Dr.MoamenWafaie

6- Course coordinator: Dr.MoamenWafaie

7- External evaluator: Non

### B- Statistical Information

16- No. of students attending the course:

|     |      |      |   |
|-----|------|------|---|
| No. | 1160 | 100  | % |
| No. | 1135 | 97.8 | % |

17- No. of students completing the course:

18- Results:

|        | No. | %    |
|--------|-----|------|
| Passed | 992 | 87.4 |
| Failed | 143 | 12.6 |

| Grading of successful students: |     |      |
|---------------------------------|-----|------|
| Grade                           | No. | %    |
| Excellent                       | 219 | 22.1 |
| Very Good                       | 188 | 19   |
| Good                            | 272 | 27.4 |
| Pass                            | 313 | 31.5 |

### C- Professional Information

#### 1 – Course teaching

| Topic              |   |           |           | Tutorial hours |
|--------------------|---|-----------|-----------|----------------|
| 1                  | Rectilinear Motion of particles.                    | 2         | 2         |                |
| 2                  | Determination of the motion of a particle.          | 2         | 2         |                |
| 3                  | Graphical Solution of Rectilinear Motion.           | 4         | 4         |                |
| 4                  | Curvilinear Motion of particle, Free Flight Motion. | 2         | 2         |                |
| 5                  | Curvilinear Motion of particle:                     | 2         | 2         |                |
| 6                  | Normal and Tangention.                              | 2         | 2         |                |
| 7                  | Plane Curvilinear Motion.                           | 2         | 2         |                |
| 8                  | Polar Coordinates.                                  | 3         | 3         |                |
| 9                  | Kinetics of Particles, Force and acceleration.      | 4         | 4         |                |
| 10                 | Kinetics of Particles Energy and Momentum Methods   | 3         | 3         |                |
| 11                 | Motion under a conservative central force.          | 4         | 4         |                |
| <b>Total hours</b> |   | <b>30</b> | <b>30</b> |                |

Topics taught as a percentage of the content specified: More than 95 %  
 Reasons in detail for not teaching any topic:  
 Non  
 If any topics were taught which are not specified, give reasons in detail:  
 Non  
 Achieved program intended learning outcomes, ILO's:

|                           |                     |                |                             |
|---------------------------|---------------------|----------------|-----------------------------|
| Knowledge & Understanding | Intellectual skills | Applied Skills | General transferable skills |
| a1 to a5                  | b1 to b3            | c1 to c3       | d1 to d2                    |

**2- Teaching and learning methods:**

Lectures: Lecture, discussions, tutorials, problem solving  
 Practical training/ laboratory:  
 Seminar/Workshop: Lecture  
 Class activity: Numerical exercises; solution of problems  
 Case Study: Selected case studies  
 Other assignments/homework: Bi-weekly assignments and reports  
 If teaching and learning methods were used other than those specified, give reasons: Non

**3- Student assessment:**

| Method of assessment         | Points | %   |
|------------------------------|--------|-----|
| Written examination          | 70     | 70  |
| Oral examination             | Non    | 0   |
| Practical/laboratory work    | Non    | 0   |
| Other assignments/class work | 15     | 15  |
| Mid-Term Exam                | 15     | 15  |
| Total                        | 100    | 100 |

**Members of examination committee:** Dr.MoamenWafaieand Dr. Shymailotfy

**Role of external evaluator:** Non

**4- Facilities and teaching materials:**

|                         |     |
|-------------------------|-----|
| Totally adequate        |     |
| Adequate to some extent | Yes |
| Inadequate              |     |

List any inadequacies: Non

**5- Administrative constraints (List any difficulties encountered)**

➤ Non

**6- Student evaluation of the course:**

|     | List any criticisms  | Response of course team  |
|-----|--|--|
| (a) | It is recommended to solve more examples in the exercises                | Only a balanced proportion of numerical exercises are solved in the class, the rest are presented as assignments |
| (b) | The assignment are corrected without giving detailed comments concerning | The correct results of problems solutions of problems will be presented during the exercises                     |

|     |  |   |
|-----|--|---|
|     | the correct answers  | periods   |
| (c) | It is recommended to announce the points of mid- term, rather than the grades. | The form and timing of declaration of year work evaluation results follow the Academy policy. |

**7- Comments from external evaluator(s):**

|     | Comment | Response of course team |
|-----|---------|-------------------------|
| (a) | Non     |                         |

**8- Course enhancement:**

Progress on actions identified in the previous year's action plan.State whether or not completed and gi reasons for any non-completion:

| Actions required | Planned Completion date | Accomplishment |
|------------------|-------------------------|----------------|
| None             | None                    | None           |

**9- Action plan for academic year 2016 – 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| None             | None            | None               |

**Course coordinator:**Dr.MoamenWafaie

**Signature:**

**Date:** September 2017



## Annual Course Report Academic year 2016-2017

### A- Basic Information

1- Course Code & Title: (MTH 101) Algebra and Calculus

2- Program(s) on which this course is given:

Manufacturing Engineering and Production Technology BSc Program  
Electronic Engineering and Communication Technology BSc Program  
Computer Engineering and Information Technology BSc Program  
Architecture Engineering and Building Technology BSc Program

3- Year/Level of program: First Year/First Semester

4- Credit hours

Credit 3 hrs      Lectures: 2 hrs      Tutorial 2 hrs      Practical

5- Names of lecturers contributing to the delivery of the course: Prf. Dr. Osama El Gayar  
Dr. SabryAbd El-Aziz

6- Course coordinator: Dr. SabryAbd El-Aziz

7- External evaluator: Non

### B- Statistical Information

19- No. of students attending the course:

|     |      |      |   |
|-----|------|------|---|
| No. | 1211 | 100  | % |
| No. | 1183 | 97.7 | % |

20- No. of students completing the course:

21- Results:

|        | No.  | %     |
|--------|------|-------|
| Passed | 1068 | 90.28 |
| Failed | 115  | 9.72  |

| Grading of successful students: |     |       |
|---------------------------------|-----|-------|
| Grade                           | No. | %     |
| Excellent                       | 510 | 43.11 |
| Very Good                       | 248 | 20.96 |
| Good                            | 133 | 11.24 |
| Pass                            | 177 | 14.96 |

### C- Professional Information

#### 1 – Course teaching

| Topic              |  | Lecture hours | Acual hours | Tutorial hours |
|--------------------|--|---------------|-------------|----------------|
| 1                  | Functions.   | 4             | 3           | 2              |
| 2                  | Differentiation.                                   | 3             | 4           | 4              |
| 3                  | Trigonometric and inverse trigonometric functions. | 3             | 4           | 4              |
| 4                  | Exponential and logarithmic functions.             | 2             | 2           | 2              |
| 5                  | Hyperbolic and inverse hyperbolic functions.       | 2             | 2           | 2              |
| 6                  | Taylor and binomial expansions.                    | 2             | 2           | 2              |
| 7                  | Matrices with applications.                        | 6             | 4           | 6              |
| 8                  | Vectors in the Euclidean space.                    | 2             | 1           | 2              |
| 9                  | Real vector spaces.                                | 2             | 1           | 2              |
| 10                 | Polar coordinates.                                 | 2             | 1           | 2              |
| 11                 | Final Revision                                     | 2             | 2           | 2              |
| <b>Total hours</b> |  | <b>30</b>     | <b>26</b>   | <b>30</b>      |

Topics taught as a percentage of the content specified:

More than 80 %

Reasons in detail for not teaching any topic: Non  
If any topics were taught which are not specified, give reasons in detail: Non  
Achieved program intended learning outcomes, ILO's:

|                           |                     |                |                             |
|---------------------------|---------------------|----------------|-----------------------------|
| Knowledge & Understanding | Intellectual skills | Applied Skills | General transferable skills |
| a1 to a7                  | b1 to b5            | c1 to c2       | d1 to d3                    |

## 2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving  
Practical training/ laboratory:  
Seminar/Workshop:  
Class activity Solution of problems  
Other assignments/homework: Weekly assignments  
If teaching and learning methods were used other than those specified, give reasons: Non

## 3- Student assessment:

| Method of assessment         | Points | %   |
|------------------------------|--------|-----|
| Written examination          | 70     | 70  |
| Oral examination             | Non    | 0   |
| Practical/laboratory work    | Non    | 0   |
| Other assignments/class work | 15     | 15  |
| Mid-Term Exam                | 15     | 15  |
| Total                        | 100    | 100 |

Members of examination committee: Prof. Dr. Osama and Dr. Sabry

Role of external evaluator: Non

## 4- Facilities and teaching materials:

|                         |     |
|-------------------------|-----|
| Totally adequate        |     |
| Adequate to some extent | Yes |
| Inadequate              |     |

List any inadequacies: Non

## 5- Administrative constraints (List any difficulties encountered)

➤ Non

## 6- Student evaluation of the course:

|     | List any criticisms  | Response of course team  |
|-----|--|--|
| (a) | it is recommended to solve more examples in the exercises                                    | Only a balanced proportion of exercises are solved in the class, the rest are presented as assignments |
| (b) | The assignment are corrected without giving detailed comments concerning the correct answers | The correct results of problems solutions of problems will be presented during the exercises periods   |
| (c) | It is recommended to announce the points of mid- term, rather than the grades.               | The form and timing of declaration of year work evaluation results follow the Academy policy.          |

**7- Comments from external evaluator(s):**

|     | Comment | Response of course team |
|-----|---------|-------------------------|
| (a) | Non     |                         |

**8- Written Exam Evaluation**



**9- Course enhancement:**

Progress on actions identified in the previous year's action plan. State whether or not completed and give reasons for any non-completion:

| Actions required | Planned Completion date | Accomplishment |
|------------------|-------------------------|----------------|
| Non              | Non                     | Non            |

**9- Action plan for academic year 2017 – 2018**

| Actions required                                       | Completion date  | Person responsible |
|--|------------------|--------------------|
| Adding more exercises, assignments reports and quizzes | September , 2017 | Dr. Sabry          |

**Course coordinator:** Dr. SabryAbd El-Aziz

**Signature:**

**Date:** September, 2017

## Annual Course Report Academic year 2016-2017

### A- Basic Information

1- Course Code & Title: (MTH 102) Integration and Analytic Geometry

2- Program(s) on which this course is given:

Manufacturing Engineering and Production Technology BSc

Program

Electronic Engineering and Communication Technology BSc Program

Computer Engineering and Information Technology BSc Program

Architecture Engineering and Building Technology BSc Program

3- Year/Level of program: First Year/Second Semester

4- Credit hours

Credit 3 hrs Lectures: 2 hrs Tutorial 3 hrs Practical

5- Names of lecturers contributing to the delivery of the course: Prf. Dr. Osama El Gayar  
Dr. Sabry Abd El-Aziz

6- Course coordinator: Dr. Sabry Abd El Aziz

7- External evaluator: Non

### B- Statistical Information

22- No. of students attending the course:

|     |      |     |   |
|-----|------|-----|---|
| No. | 1251 | 100 | % |
|-----|------|-----|---|

23- No. of students completing the course:

|     |      |      |   |
|-----|------|------|---|
| No. | 1209 | 96.6 | % |
|-----|------|------|---|

24- Results:

|        | No.  | %     |
|--------|------|-------|
| Passed | 1020 | 84.37 |
| Failed | 189  | 15.63 |

| Grading of successful students: |     |       |
|---------------------------------|-----|-------|
| Grade                           | No. | %     |
| Excellent                       | 406 | 33.58 |
| Very Good                       | 172 | 14.23 |
| Good                            | 191 | 15.8  |
| Pass                            | 251 | 20.76 |

### C- Professional Information

#### 1 - Course teaching

| Topic              |   | Lecture hours | Actual hours | Tutorial hours |
|--------------------|---|---------------|--------------|----------------|
| 1                  | Anti-derivative, indefinite integral                                      | 2             | 2            | 2              |
| 2                  | Definite integrals and the fundamental theorem of calculus                | 2             | 2            | 3              |
| 3                  | Methods of integration (integration by parts, substitution)               | 4             | 3            | 6              |
| 4                  | Integration of trigonometric functions                                    | 2             | 2            | 4              |
| 5                  | Trigonometric Substitutions   | 2             | 2            | 2              |
| 6                  | Integration of rational functions   | 2             | 2            | 4              |
| 7                  | Miscellaneous Substitutions, improper integrals                           | 2             | 2            | 4              |
| 8                  | Application of definite integral (area, volume, arc length, surface area) | 3             | 3            | 4              |
| 9                  | Sequences, series   | 4             | 3            | 6              |
| 10                 | Equations of lines, planes and circles                                    | 3             | 3            | 4              |
| 11                 | Conic sections (parabola, ellipse, hyperbola)                             | 4             | 3            | 6              |
| <b>Total hours</b> |   | <b>30</b>     | <b>27</b>    | <b>45</b>      |

Topics taught as a percentage of the content specified: More than 80 %  
Reasons in detail for not teaching any topic: Non  
If any topics were taught which are not specified, give reasons in detail: Non  
Achieved program intended learning outcomes, ILO's:

|                           |                     |                |                             |
|---------------------------|---------------------|----------------|-----------------------------|
| Knowledge & Understanding | Intellectual skills | Applied Skills | General transferable skills |
| a1 to a5                  | b1 to b6            | c1             | d1 to d3                    |

## 2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials, problem solving  
Practical training/ laboratory:  
Seminar/Workshop:  
Class activity Numerical exercises; solution of problems  
Case Study: Selected case studies  
Other assignments/homework: Weekly assignments and reports  
If teaching and learning methods were used other than those specified, give reasons: Non

## 3- Student assessment:

| Method of assessment         | Points | %   |
|------------------------------|--------|-----|
| Written examination          | 70     | 70  |
| Oral examination             | Non    | 0   |
| Practical/laboratory work    | Non    | 0   |
| Other assignments/class work | 15     | 15  |
| Mid-Term Exam                | 15     | 15  |
| Total                        | 100    | 100 |

Members of examination committee: Prof. Dr. Osama and Dr. Sabry

Role of external evaluator: Non

## 4- Facilities and teaching materials:

|                         |     |
|-------------------------|-----|
| Totally adequate        |     |
| Adequate to some extent | Yes |
| Inadequate              |     |

List any inadequacies: Non

## 5- Administrative constraints (List any difficulties encountered)

➤ Non

## 6- Student evaluation of the course:

|     | List any criticisms  | Response of course team  |
|-----|--|--|
| (a) | it is recommended to solve more examples in the exercises                                    | Only a balanced proportion of numerical exercises are solved in the class, the rest are presented as assignments |
| (b) | The assignment are corrected without giving detailed comments concerning the correct answers | The correct results of problems solutions of problems will be presented during the exercises periods             |

|     |  |   |
|-----|--|---|
| (c) | It is recommended to announce the points of mid- term, rather than the grades. | The form and timing of declaration of year work evaluation results follow the Academy policy. |
|-----|--|---|

**7- Comments from external evaluator(s):**

|     | Comment | Response of course team |
|-----|---------|-------------------------|
| (a) | Non     |                         |

**8- Written Exam Evaluation**



**9- Action plan for academic year 2017 – 2018**

| Actions required                                       | Completion date | Person responsible |
|--|-----------------|--------------------|
| Adding more exercises, assignments reports and quizzes | December 2017   | Dr. Sabry          |

**Course coordinator:** DrSabryAbd El Aziz

**Signature:**

**Date:** September, 2017

## Annual Course Report Academic year 2017-2018

### A- Basic Information

1- Course Code & Title: (PHY 101) Physics

2- Program(s) on which this course is given: Manufacturing Engineering and Production  
Technology BSc Program  
Electronic Engineering and Communication  
Technology

BSc Program  
Computer Engineering and Information Technology  
BSc Program  
Architecture Engineering and Building Technology  
BSc Program

3- Year/Level of program: First Year/Second Semester

4- Credit hours

Credit 3 hrs Lectures 2 hrs Tutorial 1 hrs Practical 2 hr

5- Names of lecturers contributing to the delivery of the course: Prof. Dr.El-Tawab Kamal,  
Prof. Dr. Abo el Yazeed B. Abo el Yazeed ,Dr. Marwa Y. Shoeib, Dr. Nagat A. Elmahdy, Dr Ghada  
Maher

6- Course coordinator: Prof. Dr.El-Tawab Kamal

7- External evaluator: Non

### B- Statistical Information

25- No. of students attending the course:

|     |     |     |   |
|-----|-----|-----|---|
| No. | 993 | 100 | % |
|-----|-----|-----|---|

26- No. of students completing the course:

|     |     |      |   |
|-----|-----|------|---|
| No. | 784 | 78.9 | % |
|-----|-----|------|---|

27- Results:

|        | No. | %     |
|--------|-----|-------|
| Passed | 784 | 78.9  |
| Failed | 209 | 21.04 |

| Grading of successful students: |     |       |
|---------------------------------|-----|-------|
| Grade                           | No. | %     |
| Excellent                       | 225 | 22.6  |
| Very Good                       | 180 | 18.12 |
| Good                            | 169 | 17    |
| Pass                            | 210 | 21.04 |

### C- Professional Information

1 - Course teaching

| Topic   | Total hours |        | Lecturer                          |
|---|-------------|--------|-----------------------------------|
|   | Plan.       | Actual |                                   |
| • Rotational motion and the Gravitational Law.        | 10          | 10     | Prof.<br>Dr El-<br>Tawab<br>Kamal |
| • Elasticity and Energy Stored in a wire.             | 6           | 8      |                                   |
| • Fluid Flow and Fundamental Laws of Fluid Mechanics. | 6           | 8      |                                   |
| • Viscosity and Poiseuille's Law                      | 3           | 4      |                                   |
| • Temperature and Heat Transfer.                      | 7           | 8      |                                   |
| • Thermodynamics and the Kinetic Theory of Gases.     | 6           | 8      |                                   |
| • Simple Harmonic Motion.                             | 4           | 0      |                                   |

|   |    |    |  |
|---|----|----|--|
| • Wave Motion and Energy Transmitted by Sinusoidal Waves. | 6  | 0  |  |
| • Sound waves and Doppler's Effect.                       | 6  | 0  |  |
| <b>Total hours</b>  | 54 | 46 |  |

Topics taught as a percentage of the content specified: >90 % **70-90 %** <70%

Reasons in detail for not teaching any topic:

There was no time

If any topics were taught which are not specified, give reasons in detail:

Non

Achieved program intended learning outcomes, ILO's:

|                           |                     |                |                             |
|---------------------------|---------------------|----------------|-----------------------------|
| Knowledge & Understanding | Intellectual skills | Applied Skills | General transferable skills |
| a1 to a7                  | b1 to b3            | c1 to c4       | d1 to d3                    |

## 2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials and problem solving  
 Practical training/ laboratory: Practical Training and experimental measurements in Lab  
 Seminar/Workshop: Non  
 Class activity: Exercises; solution of problems and data show.  
 Other assignments/homework: Bi-weekly assignments and reports  
 If teaching and learning methods were used other than those specified, give reasons: Non

## 3- Student assessment:

| Method of assessment         | Points | %   |
|------------------------------|--------|-----|
| Written examination          | 60     | 60  |
| Oral examination             | Non    | 0   |
| Practical/laboratory work    | 20     | 20  |
| Other assignments/class work | 10     | 10  |
| Mid-Term Exam                | 10     | 10  |
| Total                        | 100    | 100 |

Members of examination committee: Prof. Dr El-Tawab Kamal

Role of external evaluator: Non

## 4- Facilities and teaching materials:

|                         |     |
|-------------------------|-----|
| Totally adequate        | Yes |
| Adequate to some extent |     |
| Inadequate              |     |

List any inadequacies: Non

## 5- Administrative constraints (List any difficulties encountered)

➤ Non

## 6- Student evaluation of the course:

|     | List any criticisms                                       | Response of course team  |
|-----|---|--|
| (a) | it is recommended to solve more examples in the exercises | Only a balanced proportion of exercises are solved in the class, the rest are presented as |



|     |  |  |
|-----|--|--|
|     |  | assignments  |
| (b) | The assignment are corrected without giving detailed comments concerning the correct answers | The correct results of problems solutions of problems will be presented during the exercises periods |
| (c) | It is recommended to announce the points of mid- term, rather than the grades.               | The form and timing of declaration of year work evaluation results follow the Academy policy.        |

**7- Comments from external evaluator(s):**

|     | Comment | Response of course team |
|-----|---------|-------------------------|
| (a) | Non     |                         |

**8- Written Exam Evaluation**

- High success percentage in the good level of the final written exam.
- The whole exam result shows considerable weakness in report writing and English language level.

**9- Course enhancement:**

Progress on actions identified in the previous year's action plan. State whether or not completed and give reasons for any non-completion:

| Actions required  | Planned Completion date | Accomplishment  |
|---|-------------------------|---|
| (b) Adding more assignments reports and quizzes.<br>(c) The department discussed the need for more advanced laboratory experiences, especially in the area of Thermodynamics. | September 2018          | (a) More assignments were prepared.<br>(b) Three experiments are already added on September 2017. |

**9- Action plan for academic year 2017 – 2018**

| Actions required   | Completion date | Person responsible                       |
|--|-----------------|--|
| 1. The department discussed the need for more advanced laboratory experiences.<br>2. Acquaint students with several lab apparatus and experimental demonstrations. Forming groups to conduct laboratory exercises.<br>3. Organize group participation in collecting physics bulletins, magazines, news letters etc., and other international collaborations. | December 2018   | All group members and course instructors |

**Course coordinator:** Prof. Dr El-Tawab Kamal

**Signature:**

**Date:** Jan 20, 2018

## Annual Course Report Academic year 2016-2017

### A- Basic Information

1- Course Code & Title: (PHY 102) Physics

2- Program(s) on which this course is given: Manufacturing Engineering and Production  
Technology BSc Program  
Electronic Engineering and Communication

Technology

BSc Program  
Computer Engineering and Information Technology  
BSc Program  
Architecture Engineering and Building Technology  
BSc Program

3- Year/Level of program: First Year/Second Semester

4- Credit hours

Credit 3 hrs Lectures 2 hrs Tutorial 1 hrs Practical 2 hr

5- Names of lecturers contributing to the delivery of the course: Dr. El-Tawab Kamal

Dr. Abo el Yazeed B. Abo el

Yazeed

Dr. Marwa Y. Shoeib  
Dr. Nagat A. Elmahdy  
Dr. Ghada Maher  
Dr. Shaima Sherif

6- Course coordinator: Dr. El-Tawab Kamal

7- External evaluator: Non

### B- Statistical Information

28- No. of students attending the course:

|     |     |     |   |
|-----|-----|-----|---|
| No. | 855 | 100 | % |
|-----|-----|-----|---|

29- No. of students completing the course:

|     |     |       |   |
|-----|-----|-------|---|
| No. | 738 | 86.32 | % |
|-----|-----|-------|---|

30- Results:

|        | No. | %     |
|--------|-----|-------|
| Passed | 738 | 85.32 |
| Failed | 117 | 13.68 |

| Grading of successful students: |     |       |
|---------------------------------|-----|-------|
| Grade                           | No. | %     |
| Excellent                       | 64  | 7.49  |
| Very Good                       | 205 | 23.98 |
| Good                            | 186 | 21.75 |
| Pass                            | 283 | 33.10 |

### C- Professional Information

1 – Course teaching

| Topic   | Total hours |        | Lecture<br>r         |
|---|-------------|--------|----------------------|
|   | Plan.       | Actual |                      |
| • Charge and Matter, The Electric Field, Gauss' law | 10          | 12     | Dr. El-<br>Tawa<br>b |
| • Gauss's law applications                          | 4           | 8      |                      |
| • Electric Potential                                | 6           | 6      |                      |
| • Capacitors and Dielectric                         | 4           | 6      |                      |

|   |    |    |       |
|---|----|----|-------|
| • Current and Resistance, Electromotive force and Circuits      | 8  | 8  | Kamal |
| • Ampere's law, Inductance                                      | 6  | 6  |       |
| • Magnetic Properties of matter                                 | 4  | 0  |       |
| • Electromagnetic Waves, Physical Optics, Polarization of light | 4  | 0  |       |
| • Interference of light, Diffraction of light                   | 6  | 0  |       |
| • Diffraction of light, Some applications                       | 2  | 0  |       |
| <b>Total hours</b>  | 54 | 46 |       |

Topics taught as a percentage of the content specified: >90 % 70-90 % <70%

Reasons in detail for not teaching any topic:

There was no time

If any topics were taught which are not specified, give reasons in detail:

Non

Achieved program intended learning outcomes, ILO's:

| Knowledge & Understanding | Intellectual skills | Applied Skills | General transferable skills |
|---------------------------|---------------------|----------------|-----------------------------|
| a1 to a7                  | b1 to b3            | c1 to c4       | d1 to d3                    |

## 2- Teaching and learning methods:

Lectures: Lecture, discussions, tutorials and problem solving  
 Practical training/ laboratory: Practical Training and experimental measurements in Lab  
 Seminar/Workshop: Non  
 Class activity: Exercises; solution of problems and data show.  
 Other assignments/homework: Bi-weekly assignments and reports  
 If teaching and learning methods were used other than those specified, give reasons: Non

## 3- Student assessment:

| Method of assessment         | Points | %   |
|------------------------------|--------|-----|
| Written examination          | 60     | 60  |
| Oral examination             | Non    | 0   |
| Practical/laboratory work    | 20     | 20  |
| Other assignments/class work | 10     | 10  |
| Mid-Term Exam                | 10     | 10  |
| Total                        | 100    | 100 |

**Members of examination committee:** Dr.El-Tawab Kamal, Prof. Dr. Abo el Yazeed B. Abo el Yazeed, Dr. Marwa Y. Shoeib , Dr. Nagat A. Elmahdy, Dr. Ghada Maher and Dr. Shaima Sherif

**Role of external evaluator:** Non

## 4- Facilities and teaching materials:

|                         |     |
|-------------------------|-----|
| Totally adequate        | Yes |
| Adequate to some extent |     |
| Inadequate              |     |

List any inadequacies: Non

**5- Administrative constraints** (List any difficulties encountered)

- Non

**6- Student evaluation of the course:**

|     | List any criticisms  | Response of course team  |
|-----|--|--|
| (a) | it is recommended to solve more examples in the exercises                                    | Only a balanced proportion of exercises are solved in the class, the rest are presented as assignments |
| (b) | The assignment are corrected without giving detailed comments concerning the correct answers | The correct results of problems solutions of problems will be presented during the exercises periods   |
| (c) | It is recommended to announce the points of mid- term, rather than the grades.               | The form and timing of declaration of year work evaluation results follow the Academy policy.          |

**7- Comments from external evaluator(s):**

|     | Comment | Response of course team |
|-----|---------|-------------------------|
| (a) | Non     |                         |

**8- Written Exam Evaluation**

- High success percentage in the good level of the final written exam.
- The whole exam result shows considerable weakness in report writing and English language level.

**9- Course enhancement:**

Progress on actions identified in the previous year's action plan. State whether or not completed and give reasons for any non-completion:

| Actions required                               | Planned Completion date | Accomplishment   |
|--|-------------------------|--|
| (d) Add more experiments to Physics Laboratory | December 2018           | Four experiments are already added on September 2015. One more is planned for May 2018 |

**9- Action plan for academic year 2013 – 2014**

| Actions required  | Completion date | Person responsible       |
|---|-----------------|--------------------------|
| 1. adding more assignments reports and quizzes for Chapters 1 and 4 | December 2016   | Prof. Dr. El-Tawab Kamal |

**Course coordinator:** Dr El-Tawab Kamal

**Signature:**

**Date:** September 2017

2<sup>nd</sup> year Architecture

| S  | Course  |   |
|----|---------|---|
|    | Code    | Title   |
| 1  | MTH 208 | Statistical Mathematics for Arch. Engineering (8) |
| 3  | ARC 221 | Architectural Design 1                            |
| 2  | ARC 211 | Architectural Construction 1                      |
| 4  | ARC 213 | Building Technology                               |
| 5  | ARC 214 | Computer Applications 1                           |
| 6  | ARC 220 | Theories of Architecture (1)                      |
| 7  | ARC 215 | Properties & Resistance of Materials              |
| 8  | ARC 223 | Visual Training (1)                               |
| 9  | ARC 212 | Architectural Construction 2                      |
| 10 | ARC 222 | Architectural Design 2                            |
| 11 | ARC 241 | History of Architecture (1)                       |
| 12 | ARC 216 | Surveying   |
| 13 | ARC 217 | Theory of Structures                              |
| 14 | ARC 218 | Sciagraphy and perspective                        |

**MTH 208 Mathematics -8**  
**Annual Course Report**  
**Academic year 2016-2017**

**A- Basic Information**

1- Title and code: MTH208 Mathematics -8

2- Program(s) on which this course is given: Basic Sciences Department

3- Year/Level of program: Sophomore -Level 2 – 4th Semester

4- Unit hours

|                 |             |                      |              |                       |
|-----------------|-------------|----------------------|--------------|-----------------------|
| Credit Hours: 2 | Lectures: 1 | Tutorial/Exercise: 3 | Practical: - | Pre-requisite: MTH102 |
|-----------------|-------------|----------------------|--------------|-----------------------|

5. Names of lecturers contributing to the delivery of the course

Prof. Dr. Osama El Giar

6. Course coordinator: Prof. Dr. Osama El Giar

**B- Statistical Information**

No. of students attending the course (SPRING): No.  %

|        | No. | %      |
|--------|-----|--------|
| Passed | 393 | 83.974 |
| Failed | 75  | 16.026 |

**Grading of successful students**

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 5           | 1.068  |
| A     | 22          | 4.701  |
| A-    | 42          | 8.974  |
| B+    | 52          | 11.111 |
| B     | 44          | 9.402  |
| C+    | 53          | 11.325 |
| C     | 48          | 10.256 |
| D+    | 47          | 10.043 |
| D     | 41          | 8.761  |
| D-    | 39          | 8.333  |
| F     | 75          | 16.026 |

**1 – Course teaching**

| Topic   | No. of hours | Lecturer                |
|---|--------------|-------------------------|
| • Probability theorem                           | 2            | Prof. Dr. Osama El Giar |
| • Conditional probability.                      | 2            |                         |
| • Product rule & Bay's theorem.                 | 2            |                         |
| • Independent events.                           | 2            |                         |
| • Random variables.                             | 2            |                         |
| • Discrete distributions.                       | 2            |                         |
| • Poisson's distribution                        | 2            |                         |
| • continuous distribution - normal distribution | 2            |                         |
| • statistics sampling                           | 2            |                         |
| • Classical distribution.                       | 2            |                         |
| • Standard deviation, variance.                 | 2            |                         |
| • Standard deviation of grouped data.           | 2            |                         |
| • linear regression analysis                    | 2            |                         |
| • Correlation coefficients.                     | 2            |                         |
| • final revision                                | 2            |                         |
| <b>Total hours</b>                              | <b>30</b>    |                         |

**Topics taught as a percentage of the content specified:**

>90 %  70-90 %  <70%

**Reasons in detail for not teaching any topic** Non

**If any topics were taught which are not specified, give reasons in detail**

**2- Teaching and learning methods:**

**Lectures:**  lecturing using the White board

**Practical training/ laboratory**

Site Visits

**Seminar/Workshop:**

Weekly

**Class activity:** Exercises, Quizzes

**Case Study:**  Non

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

3- Student assessment:

| Method of assessment         | Percentage of total               |
|------------------------------|-----------------------------------|
| Final examination            | <input type="text" value="70%"/>  |
| Practical/laboratory work    | <input type="text" value="----"/> |
| Other assignments/class work | <input type="text" value="20 %"/> |
| Other assignments/researches | <input type="text" value="---"/>  |
| Mid-Term Exam                | <input type="text" value="10 %"/> |
| Total                        | 100 %                             |

Members of examination committee: Prof. Dr. Osama El Giar

Role of external evaluator

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

Course coordinator: Prof. Dr. Osama El Giar

Signature:

Date: August 2017



## ARC 221 Architectural Design 1

### Annual Course Report

### Academic year 2016-2017

#### A- Basic Information

1- Title and code : ARC 221 Architectural Design 1

2- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Sophomore -Level 2 - 3rd Semester

4- Unit hours

|                 |             |            |              |                     |
|-----------------|-------------|------------|--------------|---------------------|
| Credit Hours: 3 | Lectures: 1 | Tutorial:6 | Practical: - | Pre-requisite: None |
|-----------------|-------------|------------|--------------|---------------------|

5- Names of lecturers contributing to the delivery of the course

Prof. Dr. Ibrahim Gouda / Dr. Ingy Shawket

6- Course coordinator: Prof. Dr. Ibrahim Gouda

7- External evaluator: None

#### B- Statistical Information

No. of students attending the course (FALL) : No.  %

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 442 | 96.087 |
| Failed | 18  | 3.913  |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 1           | 0.217  |
| A     | 13          | 2.826  |
| A-    | 36          | 7.826  |
| B+    | 54          | 11.739 |
| B     | 76          | 16.522 |
| C+    | 85          | 18.478 |
| C     | 71          | 15.435 |
| D+    | 49          | 10.652 |
| D     | 36          | 7.826  |
| D-    | 21          | 4.565  |
| F     | 18          | 3.913  |

No. of students attending the course (SPRING) : No.  %

**Results:**

|               | No. | %      |
|---------------|-----|--------|
| <b>Passed</b> | 57  | 86.364 |
| <b>Failed</b> | 9   | 13.636 |

**Grading of successful students**

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 1           | 1.515  |
| A     | 1           | 1.515  |
| B+    | 1           | 1.515  |
| B     | 6           | 9.091  |
| C+    | 6           | 9.091  |
| C     | 11          | 16.667 |
| D+    | 8           | 12.121 |
| D     | 12          | 18.182 |
| D-    | 11          | 16.667 |
| F     | 9           | 13.636 |

**1 – Course teaching**

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. First Project : Dream House :Analysis of program elements | 1             | 6              |                 |
| 2. Research on residential buildings                         | 1             | 6              |                 |
| 3. Zoning ( bubble diagram – matrix of function )            | 1             | 6              |                 |
| 4. 3d modeling ( masses + site )                             | 1             | 6              |                 |
| 5. Concept development till final approval                   | 1             | 6              |                 |
| 6. Drawing layout by using glass box +4 elevations           | 1             | 6              |                 |
| 7. Mid-Term Exam   | 1             | 6              |                 |
| 8. Drawing final layout ( to scale )                         | 1             | 6              |                 |
| 9. Drawing Ground floor plan                                 | 1             | 6              |                 |
| 10. Final plans  | 1             | 6              |                 |
| 11. Final elevations   | 1             | 6              |                 |
| 12. Drawing 2 sections                                       | 1             | 6              |                 |
| 13. Final sections   | 1             | 6              |                 |
| 14. Drawing final skis ( pre-complete project )              | 1             | 6              |                 |
| 15. Representing final project & Jury                        | 1             | 6              |                 |
| <b>Total hours</b>   | 15            | 90             |                 |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic Non

If any topics were taught which are not specified, give reasons in detail

2- Teaching and learning methods:

Lectures:

Practical training/ laborat: Site Visits

Seminar/Workshop: Weekly

Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

3- Student assessment:

| Method of assessment         | Percentage of total                 |
|------------------------------|-------------------------------------|
| Final examination            | <input type="text" value="40 %"/>   |
| Practical/laboratory work    | <input type="text" value="--- --"/> |
| Other assignments/class work | <input type="text" value="20 %"/>   |
| Other assignments/researches | <input type="text" value="20 %"/>   |
| Mid-Term Exam                | <input type="text" value="20 %"/>   |
| <b>Total</b>                 | <b>100 %</b>                        |

Members of examination committee: Prof. Dr. Ibrahim Gouda

Role of external evaluator Non

4- Facilities and teaching materials:

|                         |                                     |
|-------------------------|-------------------------------------|
| Totally adequate        | <input checked="" type="checkbox"/> |
| Adequate to some extent | <input type="checkbox"/>            |
| Inadequate              | <input type="checkbox"/>            |
| List any inadequacies   | <input checked="" type="checkbox"/> |

**Course coordinator:** Prof. Dr. Ibrahim Gouda / Dr. Ingy Shawket

**Signature:**

**Date:** August 2017

## ARC 211 Architectural Construction 1

### Annual Course Report

Academic year 2016-2017

#### A- Basic Information

1- Title and code : ARC 211 Architectural Construction 1

2- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Sophomore -Level 2 - 3rd Semester

4- Unit hours

|                 |             |            |              |                     |
|-----------------|-------------|------------|--------------|---------------------|
| Credit Hours: 3 | Lectures: 2 | Tutorial:3 | Practical: - | Pre-requisite: None |
|-----------------|-------------|------------|--------------|---------------------|

5- Names of lecturers contributing to the delivery of the course

Dr. Ibrahim Gouda & Dr. Shreef El Sayed & Dr.Heba Mahrous

6 - Course coordinator: Dr. Ibrahim Gouda

7 - External evaluator: None

#### B- Statistical Information

No. of students attending the course (FALL): No.  %

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 425 | 92.391 |
| Failed | 35  | 7.609  |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 11          | 2.391  |
| A     | 19          | 4.130  |
| A-    | 57          | 12.391 |
| B+    | 65          | 14.130 |
| B     | 56          | 12.174 |
| C+    | 68          | 14.783 |
| C     | 47          | 10.217 |
| D+    | 41          | 8.913  |
| D     | 26          | 5.652  |
| D-    | 35          | 7.609  |
| F     | 35          | 7.609  |

No. of students attending the course (SPRING): No.  %

**Results:**

|               | No. | %      |
|---------------|-----|--------|
| <b>Passed</b> | 64  | 85.333 |
| <b>Failed</b> | 11  | 14.667 |

**Grading of successful students**

| Grade | Student No. | %      |
|-------|-------------|--------|
| A-    | 5           | 6.667  |
| B     | 3           | 4      |
| C+    | 4           | 5.333  |
| C     | 23          | 30.667 |
| D+    | 12          | 16     |
| D     | 5           | 6.667  |
| D-    | 12          | 16     |
| F     | 11          | 14.667 |

**C- Professional Information**

**1 – Course teaching**

| Topic  | Lecture hours | Tutorial hours | Lecturer          |
|--|---------------|----------------|-------------------|
| 1. Introduction & Elements of Building.                              | 2             | 3              | Dr. Anaheed Waked |
| 2. Sequence of Building Construction.                                | 2             | 3              |                   |
| 3. Construction Systems: Bearing walls.                              | 2             | 3              |                   |
| 4. Construction Systems: Skeleton Construction.                      | 2             | 3              |                   |
| 5. Foundations: Surface foundations.                                 | 2             | 3              |                   |
| 6. Foundations: Deep foundations.                                    | 2             | 3              |                   |
| 7. Mid Term Exam (M. T1).  | 2             | 3              |                   |
| 8. Brick walls: Types of brick & mortar                              | 2             | 3              |                   |
| 9. Brick wall bonding: English Bond & Flemish Bond.                  | 2             | 3              |                   |
| 10. Masonry walls: Classifications of stones – walling philosophy.   | 2             | 3              |                   |
| 11. Masonry walls: Sills – Cornices – Copings.                       |               | 3              |                   |
| 12. Roof Structures: Linear structural elements – Surface resistant. | 2             | 3              |                   |
| 13. R.C. floors & steel floors: Sections and details.                | 2             | 3              |                   |
| 14. Revision   | 2             | 3              |                   |
| 15. Revision   | 2             | 3              |                   |
| <b>Total hours</b>   | <b>30</b>     | <b>45</b>      |                   |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic Non

If any topics were taught which are not specified, give reasons in detail

None, all of the missed teaching hours were substituted, in addition to the seminars arranged during the students' free day.

## 2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Two Seminars were arranged by the students:

- (a) Field studies in Architecture Construction
- (b) Construction Systems

Class activity: Drawing sheets, Freehand sketches

Researches: Field study research, Library research

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

## 3- Student assessment:

| Method of assessment | Percentage of total               |
|----------------------|-----------------------------------|
| Final examination    | <input type="text" value="40 %"/> |
| Oral examination     | <input type="text" value="5 %"/>  |
| Drawing sheets       | <input type="text" value="40 %"/> |
| Researches           | <input type="text" value="5 %"/>  |
| Mid-Term Exam        | <input type="text" value="10 %"/> |
| Total                | 100 %                             |

Members of examination committee: Dr. Ibrahim Gouda

4- Facilities and teaching materials:

Totally adequate  Yes

Adequate to some extent

Inadequate

List any inadequacies  Non

5- Administrative constraints

List any difficulties encountered:  None

6- Student evaluation of the course:

Response of course team

Non

7- Comments from external evaluator(s):

Response of course team

Review the targeted learning outcomes

Increase the hours of lecturers

Increase the number of the assistants

8- Course enhancement:

Progress on actions identified in the previous year's action plan: Non

Action State whether or not completed and give reasons for any non-completion Non

9- Action plan for academic year 2016– 2017

Actions required

Completion date

Person responsible

Non

Course coordinator: Dr. Ibrahim Gouda

Signature:

Date: August 2017



## ARC213: BUILDING TECHNOLOGY

### *Annual Course Report*

### Academic Year 2016-2017

#### A- Basic Information

1- Title and code : ARC213: BUILDING TECHNOLOGY

2- Program(s) on which this course is given:

Architecture Engineering and building Technology

3- Year/Level of program: Sophomore -Level 2 - 3rd Semester

4- Unit hours

|                 |             |             |              |                     |
|-----------------|-------------|-------------|--------------|---------------------|
| Credit Hours: 2 | Lectures: 2 | Tutorial: - | Practical: - | Pre-requisite: None |
|-----------------|-------------|-------------|--------------|---------------------|

5- Names of lecturers contributing to the delivery of the course

Dr. Asamer Zakaria

6- Course coordinator: Dr. Asamer Zakaria

7- External evaluator: None

#### B- Statistical Information

No. of students attending the course (FALL): No. 574 100%

#### Results:

|        | No. | %     |
|--------|-----|-------|
| Passed | 464 | 80.84 |
| Failed | 110 | 19.16 |

#### Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A     | 1           | 0.174  |
| A-    | 2           | 0.348  |
| B+    | 22          | 3.833  |
| B     | 31          | 5.401  |
| C+    | 37          | 6.446  |
| C     | 63          | 10.976 |
| D+    | 84          | 14.634 |
| D     | 96          | 16.725 |
| D-    | 128         | 22.300 |
| F     | 110         | 19.160 |

## C- Professional Information

### 1 – Course teaching

| Topic   | Lecture hours | Tutorial hours | Practical hours |
|---|---------------|----------------|-----------------|
| 1- Introduction to building Technology.                                       | 2             |                |                 |
| 2- Construction Equipment (classifications & types).                          | 2             |                |                 |
| 3- Construction Equipments(site,transportation&concrete equipments)           | 2             |                |                 |
| 4- Construction methods (traditional methods)                                 | 2             |                |                 |
| 5- Construction methods (new construction methods)1                           | 2             |                |                 |
| 6- Construction methods (new construction methods)2                           |               |                |                 |
| 7- Mid-Term Exam  | 2             |                |                 |
| 8- Construction methods (new construction methods)3                           | 2             |                |                 |
| 9- Construction methods (new construction methods)4                           | 2             |                |                 |
| 10- Future building technology & expected development in construction systems | 2             |                |                 |
| 11- Prefabricated buildings.  | 2             |                |                 |
| 12- Modules of Prefabricated buildings.                                       | 2             |                |                 |
| 13- Structural units of Prefabricated buildings                               | 2             |                |                 |
| 14- Prefabrication industry & construction future in Egypt                    | 2             |                |                 |
| 15- Revision.   | 2             |                |                 |
| Total hours   | 30            |                |                 |

Topics taught as a percentage of the content specified:

>90 %

70-90 %

<70%

Reasons in detail for not teaching any topic

None

If any topics were taught which are not specified, give reasons in detail

None

### 2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

**Class activity:**

exercises, , quizzes, problems

**Researches:**

3

**Other assignments/homework:**

weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

None

**3- Student assessment:**

| Method of assessment      | Percentage of total |
|---------------------------|---------------------|
| Final examination         | 70 %                |
| Oral examination          | ----                |
| Practical/laboratory work | ---%                |
| Assignments/class work    | 20%                 |
| Mid-Term Exam             | 10 %                |
| <b>Total</b>              | <b>100 %</b>        |

Members of examination committee Dr. Asamer Zakaria

Role of external evaluator None

**4- Facilities and teaching materials:**

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

None

**5- Administrative constraints**

List any difficulties encountered

None

**6- Student evaluation of the course:**

**List any criticisms**

**Response of course team**

|   |  |
|---|--|
| Visits and external tours are needed for more benefit | The actual content and number of lecturing hours are convenient now, considering the pre-determined graduate profile |
|---|--|

**7- Comments from external evaluator(s):**

**Response of course team**

Review the professional and practical skills

Professional and practical skills had been updated

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016– 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:** Dr. Asamer Zakaria

**Signature:**

**Date:** August 2017

**ARC 214 Computer Applications 1**  
**Annual Course Report**  
**Academic year 2016-2017**

**A- Basic Information**

1- Title and code: **ARC 214 Computer Applications 1**

2- Program(s) on which this course is given:

Architecture Engineering and building Technology

3- Year/Level of program: **Sophomore -Level 2 - 3rd Semester**

4- Unit hours

|                       |                    |                    |                     |                               |
|-----------------------|--------------------|--------------------|---------------------|-------------------------------|
| <b>Credit Hours:4</b> | <b>Lectures: 2</b> | <b>Tutorial: 3</b> | <b>Practical: 2</b> | <b>Pre-requisite: CMP 110</b> |
|-----------------------|--------------------|--------------------|---------------------|-------------------------------|

5- Names of lecturers contributing to the delivery of the course

Dr. Marwa Abbas (CAD)

6- Course coordinator : Dr. Marwa Abbas (CAD)

7- External evaluator:

**B- Statistical Information**

**No. of students attending the course (FALL):** No.  %

**Results:**

|               | <b>No.</b> | <b>%</b> |
|---------------|------------|----------|
| <b>Passed</b> | 347        | 95.592   |
| <b>Failed</b> | 16         | 4.408    |

**Grading of successful students**

| <b>Grade</b> | <b>Student No.</b> | <b>%</b> |
|--------------|--------------------|----------|
| A+           | 8                  | 2.204    |
| A            | 14                 | 3.857    |
| A-           | 24                 | 6.612    |
| B+           | 52                 | 14.325   |
| B            | 53                 | 14.601   |
| C+           | 61                 | 16.804   |
| C            | 50                 | 13.774   |
| D+           | 38                 | 10.468   |
| D            | 27                 | 7.438    |
| D-           | 20                 | 5.511    |
| F            | 16                 | 4.408    |

No. of students attending the course (SPRING): No. 112

% 100

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 74  | 66.071 |
| Failed | 38  | 33.929 |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A     | 1           | 0.893  |
| A-    | 3           | 2.679  |
| B+    | 2           | 1.786  |
| B     | 8           | 7.143  |
| C+    | 2           | 1.786  |
| C     | 12          | 10.714 |
| D+    | 11          | 9.821  |
| D     | 20          | 17.857 |
| D-    | 15          | 13.393 |
| F     | 38          | 33.929 |

No. of students attending the course (SUMMER): No. 93

% 100

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 92  | 98.925 |
| Failed | 1   | 1.075  |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A     | 2           |        |
| A-    | 7           | 7.527  |
| B+    | 14          | 15.054 |
| B     | 13          | 13.978 |
| C+    | 8           | 8.602  |
| C     | 16          | 17.204 |
| D+    | 17          | 18.280 |
| D     | 8           | 8.602  |
| D-    | 7           | 7.527  |
| F     | 1           | 1.075  |

## C- Professional Information

### 1 – Course Teaching

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. Introduction & Getting Started  | 2             | 3              | 2               |
| 2. Drawing & Modifying Commands  | 2             | 3              | 2               |
| 3. Drawing & Modifying Commands  | 2             | 3              | 2               |
| 4. Layers Management   | 2             | 3              | 2               |
| 5. Advanced Layers Management  | 2             | 3              | 2               |
| 6. Revision  | 2             | 3              | 2               |
| 7. Mid Term Exam   | 2             | 3              | 2               |
| 8. Hatch Techniques & Blocks   | 2             | 3              | 2               |
| 9. Dimensions, Text & Project Introduction                               | 2             | 3              | 2               |
| 10. Photo editing / Xref / Attributes /<br>Design Centre / Tool Palettes | 2             | 3              | 2               |
| 11. Plotting & Paper Space   | 2             | 3              | 2               |
| 12. Advanced Commands & Project Correction                               | 2             | 3              | 2               |
| 13. Revision & Makeup classes  | 2             | 3              | 2               |
| 14. Project submission   | 2             | 3              | 2               |
| 15. Practical Exam   | 2             | 3              | 2               |
| <b>Total hours</b>   | <b>30</b>     | <b>45</b>      | <b>30</b>       |

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%  50 %

Reasons in detail for not teaching any topic

That is because, half the hours are lectures, and the other half is tutorial or practical in the computer labs.

If any topics were taught which are not specified, give reasons in detail

None

2- Teaching and learning methods:

Lectures:

Classical lecturing using the white board and computer supported learning, (net meeting system).

Practical training/ laboratory:  yes

Seminar/Workshop:  -----

Class activity:

Exercises via computer; tutorial sheets, projects from various places, the use of other courses materials as exercises. Other activities; oral discussions & testes, quizzes, and reviewing of notebooks.

Researches:  yes

Other assignments/homework:  weekly assignments

If teaching and learning methods were used other than, those specified, list and give reasons:

None

3- Student assessment:

| Method of assessment | Percentage of total            |
|----------------------|--------------------------------|
| Final examination    | <input type="checkbox"/> 40 %  |
| Practical exam       | <input type="checkbox"/> 20 %  |
| Project              | <input type="checkbox"/> 10%   |
| Assignments/quizzes  | <input type="checkbox"/> 20%   |
| Mid-Term Exam        | <input type="checkbox"/> 10%   |
| Total                | <input type="checkbox"/> 100 % |

Members of examination committee Dr. Marwa Abbas (CAD)

Role of external evaluator Non



**4- Facilities and teaching materials:**

- Totally adequate
- Adequate to some extent
- Inadequate
- List any inadequacies

Not enough computers are available to support all the numbers of the students; they are less by almost half the number. Beside this, the computers are in need of series updating, to support the programs

**5- Administrative constraints**

**List any difficulties encountered**

None

**6- Student evaluation of the course:**

|     | List any criticisms  | Response of course team   |
|-----|--|---|
| (a) | Not enough computers and spaces  | It will be considered in the upgrading plan.  |
| (b) | Computers and their accessories do not work properly.  | It will be considered in the upgrading plan.  |
| (c) | Final exam needs to be, either practical, or change its written ordinary form, to a more adequate one to the nature of the course, in the type of questions. | The ability to change the exam from the ordinary one to the MCQ type is considered. |

**7- Comments from external evaluator(s):**

Review the targeted learning outcomes

**Response of course team**

The learning outcomes have been revised

Updated references

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

9- Action plan for academic year 2016 – 2017

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| None             | None            | None               |

**Course coordinator:** Dr. Marwa Abbas (CAD)

**Signature:**

**Date:** August 2017

## ARC 220 Theories of Architecture - (1)

### Annual Course Report

Academic year 2016-2017

#### A- Basic Information

1- Title and code : ARC 220 Theories of Architecture - (1)

2- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Sophomore -Level 2 - 3rd Semester

4- Unit hours

|                 |             |             |              |                     |
|-----------------|-------------|-------------|--------------|---------------------|
| Credit Hours: 2 | Lectures: 2 | Tutorial: - | Practical: - | Pre-requisite: None |
|-----------------|-------------|-------------|--------------|---------------------|

5- Names of lecturers contributing to the delivery of the course

Dr. Reem El Hadad

6- Course coordinator: Dr. Reem El Hadad

7- External evaluator: None

#### B- Statistical Information

No. of students attending the course (FALL): No.  %

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 460 | 97.046 |
| Failed | 14  | 2.954  |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 14          | 2.954  |
| A     | 41          | 8.650  |
| A-    | 48          | 10.127 |
| B+    | 64          | 13.502 |
| B     | 66          | 13.924 |
| C+    | 70          | 14.768 |
| C     | 69          | 14.557 |
| D+    | 37          | 7.806  |
| D     | 28          | 5.907  |
| D-    | 23          | 4.852  |
| F     | 14          | 2.954  |

### C- Professional Information

#### 1 – Course teaching

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. Introduction: about the relationship between architecture and theories of architecture. | 2             |                |                 |
| 2. Architectural definitions and constrains  | 2             |                |                 |
| 3. Types and typologies of Buildings   | 2             |                |                 |
| 4. Design Process :-Briefing -Analysis   | 2             |                |                 |
| 5. Design Process: synthesis   | 2             |                |                 |
| 6. Design Process: Design- Appraisal Evaluation.- Communications                           | 2             |                |                 |
| 7. Mid Term Exam   | 2             |                |                 |
| 8. Architectural Spaces is the basic of design and forming:1:- Architectural Spaces        | 2             |                |                 |
| 9. Architectural Spaces forming:2 :-Buildings and spaces elements                          | 2             |                |                 |
| 10. Architectural Spaces forming: :circulation,vertical,horizontal                         | 2             |                |                 |
| 11. Architectural Forming: Shape- Color- Texture   | 2             |                |                 |
| 12. The Principles of Architectural Forming Process:-                                      | 2             |                |                 |
| 13. Introduction about Architectural Theories: (Functionalism) , (Organism)                | 2             |                |                 |
| 14. Researches Discussion  | 2             |                |                 |
| 15. Researches Discussion  | 2             |                |                 |
| <b>Total hours</b>   | 30            |                |                 |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic

If any topics were taught which are not specified, give reasons in detail

#### 2- Teaching and learning methods:

Lectures :

Practical training/ laboratory:

Seminar/Workshop: Seminars were arranged by the students: To Represent the Researches

Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

3- Student assessment:

| Method of assessment             | Percentage of total                |
|----------------------------------|------------------------------------|
| Final examination                | <input type="text" value="70 %"/>  |
| Practical/laboratory work        | <input type="text" value="-----"/> |
| Other assignments/class work     | <input type="text" value="10 %"/>  |
| Other assignments/researches     | <input type="text" value="10 %"/>  |
| Mid-Term Exam                    | <input type="text" value="10 %"/>  |
| Total                            | 100 %                              |
| Members of examination committee | Dr. Reem El Hadad                  |
| Role of external evaluator       | Non                                |

4- Facilities and teaching materials:

|                         |                                    |
|-------------------------|------------------------------------|
| Totally adequate        | <input type="text" value=".Yes."/> |
| Adequate to some extent | <input type="text" value="....."/> |
| Inadequate              | <input type="text" value="....."/> |
| List any inadequacies   | <input type="text" value="Non"/>   |

5- Administrative constraints

List any difficulties encountered None

6- Student evaluation of the course: Response of course team

List any criticisms

7- Comments

from external evaluator(s): Response of course team

Review the targeted learning outcomes Increase the hours of lecturers

8- Course enhancement: Progress on actions identified in the previous year's action plan: This is the Second annual report

Action State whether or not completed and give reasons for any non-completion Non

9- Action plan for academic year 2016 – 2017

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| Non              |                 |                    |

**Course coordinator:** Dr. Reem El Hadad

**Signature:**

**Date:** August 2017

## *ARC 215 Properties & Resistance of Materials*

### *Annual Course Report*

### *Academic Year 2016-2017*

#### A- Basic Information

1- Title and code : ARC 215: Properties & Resistance of Materials

2- Program(s) on which this course is given:

Architecture Engineering and building Technology

3- Year/Level of program: level:Sophomore -Level 2 – 3rd Semester

4- Unit hours

|                |             |            |              |                    |
|----------------|-------------|------------|--------------|--------------------|
| Credit Hours:2 | Lectures: 1 | Tutorial:3 | Practical: - | Pre-requisite:None |
|----------------|-------------|------------|--------------|--------------------|

5- Names of lecturers contributing to the delivery of the course

Dr. Adham El-Alfy & Dr. Tamer Selim

6- Course coordinator: Dr. Adham El-Alfy

7- External evaluator: None

#### B- Statistical Information

No. of students attending the course (FALL): No. 556 % 100

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 541 | 97.302 |
| Failed | 15  | 2.698  |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 9           | 1.619  |
| A     | 44          | 7.914  |
| A-    | 81          | 14.568 |
| B+    | 89          | 16.007 |
| B     | 110         | 19.784 |
| C+    | 76          | 13.670 |
| C     | 65          | 11.691 |
| D+    | 32          | 5.755  |
| D     | 27          | 4.856  |
| D-    | 8           | 1.439  |
| F     | 15          | 2.698  |

No. of students attending the course (SUMMER): No. 21 % 100

**Results:**

|               | No. | %      |
|---------------|-----|--------|
| <b>Passed</b> | 20  | 95.238 |
| <b>Failed</b> | 1   | 4.762  |

**Grading of successful students**

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 4           | 19.048 |
| A     | 2           | 9.524  |
| A-    | 4           | 19.048 |
| B+    | 3           | 14.286 |
| C+    | 1           | 4.762  |
| C     | 4           | 19.048 |
| D     | 2           | 9.524  |
| F     | 1           | 4.762  |

**C- Professional Information**

**1 – Course teaching**

|    | Topic   | Lecture hours | Tutorial hours | Practical hours |
|----|---|---------------|----------------|-----------------|
| 1  | ▪ Types of structures. Types of loads and supports.   | 2             | 3              |                 |
| 2  | ▪ Resultant of loads. Reactions.  | 2             | 3              |                 |
| 3  | ▪ Simple and compound beams.  | 2             | 3              |                 |
| 4  | ▪ Concentrated loads and moments.   | 2             | 3              |                 |
| 5  | ▪ Equilibrium and stability in planner statically determined structures.                    | 2             | 3              |                 |
| 6  | ▪ Trussed beams.  | 2             | 3              |                 |
| 7  | ▪ Mid Term Exam   | 2             | 3              |                 |
| 8  | ▪ Internal forces definition / Simple frames, frames with link members, and closed frames.. | 2             | 3              |                 |
| 9  | ▪ Internal forces in beams, frames, and arches.   | 2             | 3              |                 |
| 10 | ▪ Trusses; definition, method of joints and method of sections.                             | 2             | 3              |                 |
| 11 | ▪ Stability conditions.   | 2             | 3              |                 |
| 12 | ▪ Uniform and triangular loads.   | 2             | 3              |                 |
| 13 | ▪ Normal stresses   | 2             | 3              |                 |



|    |                     |           |           |  |
|----|---------------------|-----------|-----------|--|
| 14 | ▪ Shear stresses    | 2         | 3         |  |
| 15 | ▪ Combined stresses | 2         | 3         |  |
|    | <b>Total hours</b>  | <b>30</b> | <b>45</b> |  |

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%

Reasons in detail for not teaching any topic

If any topics were taught which are not specified, give reasons in detail

### 2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Researches:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

### 3- Student assessment:

| Method of assessment      | Percentage of total               |
|---------------------------|-----------------------------------|
| Final examination         | <input type="text" value="70 %"/> |
| Oral examination          | ----                              |
| Practical/laboratory work | ----                              |
| Assignments/class work    | <input type="text" value="20%"/>  |
| Mid-Term Exam             | <input type="text" value="10 %"/> |
| <b>Total</b>              | <b>100 %</b>                      |

Members of examination committee Dr. Adham El-Alfy

Role of external evaluator

**4- Facilities and teaching materials:**

- Totally adequate
- Adequate to some extent
- Inadequate
- List any inadequacies

**5- Administrative constraints**

List any difficulties encountered

None

**6- Student evaluation of the course:**

**Response of course team**

List any criticisms

|  |   |
|--|---|
| here are insufficient solved examples in the text book | Examples in the text book is a sample, while the exercises given in the section is quietly adequate |
|--|---|

**7- Comments from external evaluator(s):**

Review the targeted learning outcome

**Response of course team**

the learning outcomes have been revised and simplified

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016- 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| None             | None            | None               |

**Course coordinator:** Dr. Adham El-Alfy

**Signature:**

**Date:** August 2017

## ARC 223 Visual Training (1)

### Annual Course Report

### Academic year 2016-2017

#### A- Basic Information

1- Title and code: ARC 223 Visual Training (1)

2- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: level:Sophomore -Level 2 - 3rd Semester

4- Unit hours

|                |             |             |              |                    |
|----------------|-------------|-------------|--------------|--------------------|
| Credit Hours:2 | Lectures: 1 | Tutorial :3 | Practical: - | Pre-requisite:None |
|----------------|-------------|-------------|--------------|--------------------|

5- Names of lecturers contributing to the delivery of the course

Dr. Mona El-Basyoni

6- Course coordinator: Dr. Mona El-Basyoni

7- External evaluator: None

#### B- Statistical Information

No. of students attending the course (FALL): No.

%

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 491 | 91.264 |
| Failed | 47  | 8.736  |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 4           | 0.743  |
| A     | 23          | 4.275  |
| A-    | 22          | 4.089  |
| B+    | 32          | 5.948  |
| B     | 51          | 9.480  |
| C+    | 51          | 9.480  |
| C     | 79          | 14.684 |
| D+    | 88          | 16.357 |
| D     | 64          | 11.896 |
| D-    | 77          | 14.312 |
| F     | 47          | 8.736  |

## C- Professional Information

### 1 – Course teaching

|    | Topic   | Lecture hours | Tutorial hours | Practical hours |
|----|---|---------------|----------------|-----------------|
| 1  | Thickness of lines using pencil.  | 1             | 3              | -               |
| 2  | Texture of different materials using pencil                               | 1             | 3              | -               |
| 3  | Copying a drawing with different scale.                                   | 1             | 3              | -               |
| 4  | Different techniques for sketching.                                       | 1             | 3              | -               |
| 5  | Sketching 2D drawings.  | 1             | 3              | -               |
| 6  | Sketching 2D drawings/ Presentation for different architectural drawings. | 1             | 3              | -               |
| 7  | Mid Term Exam   | 1             | 3              | -               |
| 8  | Techniques for sketching 3D drawings                                      | 1             | 3              | -               |
| 9  | Rules for freehand perspective.   | 1             | 3              | -               |
| 10 | Techniques for sketching 3D drawings.                                     | 1             | 3              | -               |
| 11 | Sketching 3D drawings from nature.  | 1             | 3              | -               |
| 12 | Sketching 3D drawings from nature.  | 1             | 3              | -               |
| 13 | Sketching 3D drawings from nature.  | 1             | 3              | -               |
| 14 | Shade and shadows in 3D drawings  | 1             | 3              | -               |
| 15 | Shade and shadows in 3D drawings  | 1             | 3              | -               |
|    | <b>Total hours</b>  | <b>15</b>     | <b>45</b>      | <b>-</b>        |

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%

Reasons in detail for not teaching any topic

If any topics were taught which are not specified, give reasons in detail

### 2- Teaching and learning methods:

Lectures:

Practical training:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

**3- Student assessment:**

| Method of assessment             | Percentage of total                       |
|----------------------------------|---|
| Final examination                | <input type="text" value="40%"/>          |
| Other assignments/class work     | <input type="text" value="50%"/>          |
| Mid-Term Exam                    | <input type="text" value="10 %"/>         |
| <b>Total</b>                     | <b>100 %</b>                              |
| Members of examination committee | Dr. Mona El. Basyoni<br>Dr. Amira Mostafa |

Role of external evaluator

**4- Facilities and teaching materials:**

|                         |                                    |
|-------------------------|------------------------------------|
| Totally adequate        | <input type="text" value=".Yes."/> |
| Adequate to some extent | <input type="text" value="....."/> |
| Inadequate              | <input type="text" value="....."/> |
| List any inadequacies:  | <input type="text" value=".Non."/> |

**5- Administrative constraints**

List any difficulties encountered

- The drawing tables aren't suitable for freehand sketching

**6- Student evaluation of the course:**

| List any criticisms | Response of course team |
|---------------------|-------------------------|
| non                 | non                     |

| 7- Comments from external evaluator(s): | Response of course team |
|---|-------------------------|
| None                                    |                         |

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

| <b>Actions required</b> | <b>Planned Completion date</b> | <b>Accomplishment</b> |
|-------------------------|--------------------------------|-----------------------|
| None                    | -                              | -                     |

**Action State whether or not completed and give reasons for any non-completion**      None

**9- Action plan for academic year 2016– 2017**

| <b>Actions required</b> | <b>Completion date</b> | <b>Person responsible</b> |
|-------------------------|------------------------|---------------------------|
| Non.                    | -                      | -                         |

**Course coordinator:** Dr. Mona El-Basyoni

**Signature:**

**Date:**                      August 2017

## ARC212 Architectural Construction 2

### Annual Course Report

Academic year 2016-2017

#### A- Basic Information

1- Title and code : ARC212 Architectural Construction 2

2- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Sophomore -Level 2 – 4th Semester

4- Unit hours

|                |             |            |              |                        |
|----------------|-------------|------------|--------------|------------------------|
| Credit Hours:3 | Lectures: 2 | Tutorial:3 | Practical: - | Pre-requisite: ARC 211 |
|----------------|-------------|------------|--------------|------------------------|

5- Names of lecturers contributing to the delivery of the course

Dr. Sherif El-Sayed

6- Course coordinator: Dr. Sherif El-Sayed

7- External evaluator: None

#### B- Statistical Information

No. of students attending the course (FALL): No.

%

Results:

|        | No. | % |
|--------|-----|---|
| Passed |     |   |
| Failed |     |   |

Grading of successful students

| Grade | Student No. | % |
|-------|-------------|---|
| B+    |             |   |
| C     |             |   |
| D+    |             |   |

No. of students attending the course (SPRING):

No.

%

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 395 | 95.874 |
| Failed | 17  | 4.126  |

**Grading of successful students**

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 20          | 4.854  |
| A     | 24          | 5.825  |
| A-    | 43          | 10.437 |
| B+    | 48          | 11.650 |
| B     | 67          | 16.262 |
| C+    | 54          | 13.107 |
| C     | 44          | 10.680 |
| D+    | 32          | 7.767  |
| D     | 30          | 7.282  |
| D-    | 33          | 8.010  |
| F     | 17          | 4.126  |

**No. of students attending the course (SUMMER):** No. 46 % 100

**Results:**

|               | No. | %      |
|---------------|-----|--------|
| <b>Passed</b> | 40  | 86.957 |
| <b>Failed</b> | 6   | 13.043 |

**Grading of successful students**

| Grade | Student No. | %      |
|-------|-------------|--------|
| A     | 2           | 4.348  |
| A-    | 2           | 4.348  |
| B+    | 4           | 8.696  |
| B     | 1           | 2.174  |
| C+    | 2           | 4.348  |
| C     | 6           | 13.043 |
| D+    | 6           | 13.043 |
| D     | 9           | 19.565 |
| D-    | 8           | 17.391 |
| F     | 6           | 13.043 |



## C- Professional Information

### 1 – Course teaching

| Topic  | Lecture hours | Tutorial hours | Lecturer            |
|--|---------------|----------------|---------------------|
| 1. Introduction & Elements of Building.                              | 2             | 3              | Dr. Sherif El-Sayed |
| 2. Sequence of Building Construction.                                | 2             | 3              |                     |
| 3. Construction Systems: Bearing walls.                              | 2             | 3              |                     |
| 4. Construction Systems: Skeleton Construction.                      | 2             | 3              |                     |
| 5. Foundations: Surface foundations.                                 | 2             | 3              |                     |
| 6. Foundations: Deep foundations.                                    | 2             | 3              |                     |
| 7. Mid Term Exam (M. T1).  | 2             | 3              |                     |
| 8. Brick walls: Types of brick & mortar                              | 2             | 3              |                     |
| 9. Brick wall bonding: English Bond & Flemish Bond.                  | 2             | 3              |                     |
| 10. Masonry walls: Classifications of stones – walling philosophy.   | 2             | 3              |                     |
| 11. Masonry walls: Sills – Cornices – Copings.                       |               | 3              |                     |
| 12. Roof Structures: Linear structural elements – Surface resistant. | 2             | 3              |                     |
| 13. R.C. floors & steel floors: Sections and details.                | 2             | 3              |                     |
| 14. Revision   | 2             | 3              |                     |
| 15. Revision   | 2             | 3              |                     |
| <b>Total hours</b>   | <b>30</b>     | <b>45</b>      |                     |

#### Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%

Reasons in detail for not teaching any topic  Non

#### If any topics were taught which are not specified, give reasons in detail

None, all of the missed teaching hours were substituted, in addition to the seminars arranged during the students' free day.

### 2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

- Two Seminars were arranged by the students:
- (c) Field studies in Architecture Construction
- (d) Construction Systems

Class activity:

Drawing sheets, Freehand sketches

Researches: Field study research, Library research

Other assignments/homework: Drawing sheets

If teaching and learning methods were used other than those specified, list and give reasons: None

### 3- Student assessment:

| Method of assessment | Percentage of total |
|----------------------|---------------------|
| Final examination    | 40 %                |
| Oral examination     | 5 %                 |
| Drawing sheets       | 40 %                |
| Researches           | 5 %                 |
| Mid-Term Exam        | 10 %                |
| Total                | 100 %               |

Members of examination committee: Dr. Sherif El-Sayed,

### 4- Facilities and teaching materials:

|                         |       |
|-------------------------|-------|
| Totally adequate        | .Yes. |
| Adequate to some extent | ..... |
| Inadequate              | ..... |
| List any inadequacies   | Non   |

### 5- Administrative constraints

List any difficulties encountered: None

### 6- Student evaluation of the course:

Response of course team

Non

7- Comments from external evaluator(s):

Response of course team

Review the targeted learning outcomes

Increase the hours of lecturers

Increase the number of the assistants

8- Course enhancement:

Progress on actions identified in the previous year's action plan: Non

Action State whether or not completed and give reasons for any non-completion

Non

9- Action plan for academic year 2016 – 2017

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| Non              | Non             | Non                |

Course coordinator: Dr. Sherif El Sayed

Signature:

Date: August 2017

## **ARC 222 Architectural Design 2**

### **Annual Course Report**

**Academic year 2016-2017**

#### **A- Basic Information**

**1- Title and code : ARC 222 Architectural Design 2**

**2- Program(s) on which this course is given:**

Architecture Engineering and Building Technology

**3- Year/Level of program:** Sophomore -Level 2 – 4<sup>th</sup> Semester

**4- Unit hours**

|                        |                   |                   |                     |                              |
|------------------------|-------------------|-------------------|---------------------|------------------------------|
| <b>Credit Hours: 3</b> | <b>Lectures:1</b> | <b>Tutorial:6</b> | <b>Practical: -</b> | <b>Pre-requisite: ARC221</b> |
|------------------------|-------------------|-------------------|---------------------|------------------------------|

**5- Names of lecturers contributing to the delivery of the course**

Prof.Dr. Ibrahim gouda & Dr. Indjy Shawkt

**Course coordinator:** Prof.Dr. Ibrahim gouda

**6- External evaluator:** None

#### **B- Statistical Information**

**No. of students attending the course (FALL) : No.** **%**

**Results:**

|               | <b>No.</b> | <b>%</b> |
|---------------|------------|----------|
| <b>Passed</b> | 1          | 100      |
| <b>Failed</b> | 0          | 0        |

**Grading of successful students**

| <b>Grade</b> | <b>Student No.</b> | <b>%</b> |
|--------------|--------------------|----------|
| C            | 1                  | 100      |

No. of students attending the course (SPRING) : No. 445 %100

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 427 | 95.955 |
| Failed | 18  | 4.045  |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A     | 6           | 1.348  |
| A-    | 18          | 4.045  |
| B+    | 35          | 7.865  |
| B     | 70          | 15.730 |
| C+    | 69          | 15.506 |
| C     | 67          | 15.056 |
| D+    | 69          | 15.506 |
| D     | 52          | 11.685 |
| D-    | 41          | 9.213  |
| F     | 18          | 4.045  |

No. of students attending the course (SUMMER) : No. 33 %100

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 28  | 84.848 |
| Failed | 5   | 15.152 |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| B+    | 1           | 3.030  |
| B     | 2           | 6.061  |
| C+    | 4           | 12.121 |
| C     | 5           | 15.152 |
| D+    | 3           | 9.091  |
| D     | 8           | 24.242 |
| D-    | 5           | 15.152 |
| F     | 5           | 15.152 |

## C- Professional Information

### 1 – Course teaching

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. Choosing one project from 5 general projects            | 1             | 6              |                 |
| 2. Analysis of program elements                            | 1             | 6              |                 |
| 3. Research on the chosen project                          | 1             | 6              |                 |
| 4. Zoning ( bubble diagram , matrix of functions           | 1             | 6              |                 |
| 5. 3D modeling ( masses , site ) , skis                    | 1             | 6              |                 |
| 6. Concept development , skis                              | 1             | 6              |                 |
| 7. Mid Term Exam   | 1             | 6              |                 |
| 8. Final plans   | 1             | 6              |                 |
| 9. Final sections  | 1             | 6              |                 |
| 10. Final elevations                                       | 1             | 6              |                 |
| 11. 3D perspectives  | 1             | 6              |                 |
| 12. Development project till final approval                | 1             | 6              |                 |
| 13. Representing project by digital media or manual method | 1             | 6              |                 |
| 14. Representing project by digital media or manual method | 1             | 6              |                 |
| 15. Representing final project , jury                      | 1             | 6              |                 |
| <b>Total hours</b>   | 15            | 90             |                 |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic Non

If any topics were taught which are not specified, give reasons in detail

### 2- Teaching and learning methods:

Lectures:

Practical training/ laborat: Site Visits

Seminar/Workshop: Weekly

Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

**3- Student assessment:**

| Method of assessment         | Percentage of total                |
|------------------------------|------------------------------------|
| Final examination            | <input type="text" value="40 %"/>  |
| Practical/laboratory work    | <input type="text" value="-- --"/> |
| Other assignments/class work | <input type="text" value="20 %"/>  |
| Other assignments/researches | <input type="text" value="20%"/>   |
| Mid-Term Exam                | <input type="text" value="20%"/>   |
| Total                        | 100 %                              |

Members of examination committee: Prof. Dr. Ibrahim gouda & Dr. Indjy Shawkt

Role of external evaluator

**4- Facilities and teaching materials:**

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

Course coordinator: Prof. Dr. Ibrahim gouda & Dr. Indjy Shawkt

Signature:

Date: August 2017

## ARC 241 History of Architecture(1)

### *Annual Course Report*

### Academic year 2016-2017

#### A- Basic Information

1. Title and code : ARC 241 History of Architecture(1)
2. Program(s) on which this course is given:  
 Architecture Engineering and Building Technology
3. Year/Level of program: Sophomore -Level 2 – 4th Semester
4. Unit hours

|                 |             |             |              |                  |
|-----------------|-------------|-------------|--------------|------------------|
| Credit Hours: 2 | Lectures: 2 | Tutorial: - | Practical: - | Pre-requisite: - |
|-----------------|-------------|-------------|--------------|------------------|

5. Names of lecturers contributing to the delivery of the course

Dr. Reem sami

Course coordinator: Dr. Reem sami

6. External evaluator : None

#### B- Statistical Information

No. of students attending the course ( SPRING): No.  %

#### Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 470 | 80.617 |
| Failed | 113 | 19.383 |

#### Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A     | 6           | 1.029  |
| A-    | 16          | 2.744  |
| B+    | 22          | 3.774  |
| B     | 35          | 6.003  |
| C+    | 50          | 8.576  |
| C     | 66          | 11.321 |
| D+    | 72          | 12.350 |
| D     | 74          | 12.693 |
| D-    | 129         | 22.127 |
| F     | 113         | 19.383 |



## C- Professional Information

### 1 – Course teaching

| Topic   | Lecture hours | Tutorial hours | Practical hours |
|---|---------------|----------------|-----------------|
| 1. -Introduction : about history of architecture<br><u>Prehistoric architecture: Ancient Egyptian</u> | 2             |                |                 |
| 2. The pharaonic Character and Features   | 2             |                |                 |
| 3. The Architectural Buildings(Tombs)   | 2             |                |                 |
| 4. The Architectural Buildings (Temples)  | 2             |                |                 |
| 5. The Architectural Buildings( Temples)  | 2             |                |                 |
| 6. <u>The Hellenistic Architecture:</u>   | 2             |                |                 |
| 7. Mid Term Exam  | 2             |                |                 |
| 8. <u>Greek Architecture:</u> Character and Features  |               |                |                 |
| 9. The Greek Columns ,Temples, Buildings  | 2             |                |                 |
| 10. <u>The Roman Architecture:</u> Features -Columns- temples   | 2             |                |                 |
| 11. Buildings (theater-Amphitheater-....  | 2             |                |                 |
| 12. Seminars  | 2             |                |                 |
| 13. Researches Discussion   | 2             |                |                 |
| 14. Researches Discussion   | 2             |                |                 |
| 15. Revision  | 2             |                |                 |
| <b>Total hours</b>  | 30            |                |                 |

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%

Reasons in detail for not teaching any topic  Non

If any topics were taught which are not specified, give reasons in detail  Non

### 2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop: Seminars were arranged by the students: To Represent the Researches

Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

| Method of assessment         | Percentage of total                |
|------------------------------|------------------------------------|
| Final examination            | <input type="text" value="70 %"/>  |
| Practical/laboratory work    | <input type="text" value="-----"/> |
| Other assignments/class work | <input type="text" value="10 %"/>  |
| Other assignments/researches | <input type="text" value="10 %"/>  |
| Mid-Term Exam                | <input type="text" value="10 %"/>  |
| Total                        | 100 %                              |

Members of examination committee Dr. Reem sami

Role of external evaluator Non

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

5- Administrative constraints

List any difficulties encountered

None

6- Student evaluation of the course: Response of course team

List any criticisms



**ARC 216: Surveying**  
**Annual Course Report**  
**Academic Year 2016-2017**

**A- Basic Information**

1- Title and code : **ARC 216: Surveying**

2- Program(s) on which this course is given:

Architecture Engineering and building Technology

3- Year/Level of program: Sophomore -Level 2 – 4th Semester

4- Unit hours

|                |             |             |              |                     |
|----------------|-------------|-------------|--------------|---------------------|
| Credit Hours:2 | Lectures: 1 | Tutorial: 1 | Practical: 2 | Pre-requisite: None |
|----------------|-------------|-------------|--------------|---------------------|

5- Names of lecturers contributing to the delivery of the course

Dr. Amira abd El-Aziz

6- Course coordinator : Dr. Amira abd El-Aziz

7- External evaluator : None

**B- Statistical Information**

No. of students attending the course (SPRING):      No. 507                      % 100

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 473 | 93.294 |
| Failed | 34  | 6.706  |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 33          | 6.509  |
| A     | 38          | 7.495  |
| A-    | 52          | 10.256 |
| B+    | 59          | 11.637 |
| B     | 59          | 11.637 |
| C+    | 63          | 12.426 |
| C     | 63          | 12.426 |
| D+    | 41          | 8.087  |
| D     | 22          | 4.339  |
| D-    | 43          | 8.481  |
| F     | 34          | 6.706  |

No. of students attending the course (SUMMER): No. **7** % **100**

Results:

|        | No. | %   |
|--------|-----|-----|
| Passed | 7   | 100 |
| Failed | 0   | 0   |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A-    | 1           | 14.286 |
| C     | 4           | 57.143 |
| D+    | 1           | 14.286 |
| D-    | 1           | 14.286 |

## C- Professional Information

### 1 – Course teaching

| Topic                                    | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. Definition of surveying.              | 1             | 1              | 2               |
| 2. Types of measurements.                | 1             | 1              | 2               |
| 3. Measurement errors.                   | 1             | 1              | 2               |
| 4. Linear measurements.                  | 1             | 1              | 2               |
| 5. Taping.                               | 1             | 1              | 2               |
| 6. Distance corrections.                 | 1             | 1              | 2               |
| 7. Mid-Term Exam                         | 1             | 1              | 2               |
| 8. Leveling./ Types of Levels.           | 1             | 1              | 2               |
| 9. Profile and cross-sectional leveling. | 1             | 1              | 2               |
| 10. Area computations                    | 1             | 1              | 2               |
| 11. Angle measurements and Theodolites   | 1             | 1              | 2               |
| 12. Traverse surveys and computations    | 1             | 1              | 2               |
| 13. Contour Maps / Cut and Fill          | 1             | 1              | 2               |
| 14. Topographic surveying                | 1             | 1              | 2               |
| 15. Practical exam                       | 1             | 1              | 2               |
| <b>Total hours</b>                       | <b>15</b>     | <b>15</b>      | <b>30</b>       |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic

None

If any topics were taught which are not specified, give reasons in detail

None

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Researches:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment:

| Method of assessment      | Percentage of total               |
|---------------------------|-----------------------------------|
| Final examination         | <input type="text" value="60 %"/> |
| Oral examination          | ----                              |
| Practical/laboratory work | <input type="text" value="20%"/>  |
| Assignments/class work    | <input type="text" value="10%"/>  |
| Mid-Term Exam             | <input type="text" value="10 %"/> |
| <b>Total</b>              | <b>100 %</b>                      |

Members of examination committee Dr. Amir Abdel Aziz

Role of external evaluator None

**4- Facilities and teaching materials:**

- Totally adequate
- Adequate to some extent
- Inadequate
- List any inadequacies  Non.

**5- Administrative constraints**

List any difficulties encountered  
 None

**6- Student evaluation of the course:**

List any criticisms                      Response of course team

|  |   |
|--|---|
| what is the benefit of this study to arch students | survey is one of the most effective courses in the area of construction |
|--|---|

**7- Comments from external evaluator(s):**

Response of course team    None

**8- Course enhancement:**

Progress on actions identified in the previous year's action plan:

Action State whether or not completed and give reasons for any non-completion    None

**9- Action plan for academic year 2016– 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| None             | None            | None               |

**Course coordinator:** Dr. Amira abd El-Aziz

**Signature:**

**Date:** August 2017

**ARC 217: Theory of Structures  
 Annual Course Report  
 Academic Year 2016-2017**

**A- Basic Information**

1- Title and code: **ARC 217: Theory of Structures**

2- Program(s) on which this course is given:

Architecture Engineering and building Technology

3- Year/Level of program: **Sophomore -Level 2 – 4th Semester**

4- Unit hours

|                       |                    |                    |                     |                            |
|-----------------------|--------------------|--------------------|---------------------|----------------------------|
| <b>Credit Hours:2</b> | <b>Lectures: 1</b> | <b>Tutorial: 3</b> | <b>Practical: -</b> | <b>Pre-requisite: None</b> |
|-----------------------|--------------------|--------------------|---------------------|----------------------------|

5- Names of lecturers contributing to the delivery of the course

Dr. Tamer Seleem

6- Course coordinator: Dr. Tamer Seleem

7- External evaluator: None

**B- Statistical Information**

**No. of students attending the course (SPRING):**      No. 497      % 100

**Results:**

|               | <b>No.</b> | <b>%</b> |
|---------------|------------|----------|
| <b>Passed</b> | 438        | 88.129   |
| <b>Failed</b> | 59         | 11.871   |

**Grading of successful students**

| <b>Grade</b> | <b>Student No.</b> | <b>%</b> |
|--------------|--------------------|----------|
| A+           | 2                  | 0.402    |
| A            | 17                 | 3.421    |
| A-           | 30                 | 6.036    |
| B+           | 26                 | 5.231    |
| B            | 49                 | 9.859    |
| C+           | 56                 | 11.268   |
| C            | 61                 | 12.274   |
| D+           | 62                 | 12.475   |
| D            | 78                 | 15.694   |
| D-           | 57                 | 11.469   |
| F            | 59                 | 11.871   |



No. of students attending the course (SUMMER): No. 43 % 100

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 31  | 72.093 |
| Failed | 12  | 27.907 |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A     | 2           | 4.651  |
| A-    | 1           | 2.326  |
| B+    | 1           | 2.326  |
| B     | 2           | 4.651  |
| C+    | 1           | 2.326  |
| C     | 7           | 16.279 |
| D+    | 6           | 13.953 |
| D     | 3           | 6.977  |
| D-    | 8           | 18.605 |
| F     | 12          | 27.907 |

C- Professional Information

1 – Course teaching

|    | Topic   | Lecture hours | Tutorial hours | Practical hours |
|----|---|---------------|----------------|-----------------|
| 1  | ▪ Types of structures. Types of loads and supports.                           | 1             | 3              | -               |
| 2  | ▪ Resultant of loads. Reactions.  | 1             | 3              | -               |
| 3  | ▪ Simple and compound beams.  | 1             | 3              | -               |
| 4  | ▪ Concentrated loads and moments.   | 1             | 3              | -               |
| 5  | ▪ Equilibrium and stability in planner statically determined structures. s    | 1             | 3              | -               |
| 6  | ▪ Trussed beams.  | 1             | 3              | -               |
| 7  | ▪ Mid-Term Exam   | 1             | 3              | -               |
| 8  | ▪ Simple frames, frames with link members, and closed frames.                 | 1             | 3              | -               |
| 9  | ▪ Internal forces in beams, frames, and arches. + Internal forces definition. | 1             | 3              | -               |
| 10 | ▪ Trusses; definition, method of joints and method of sections.               | 1             | 3              | -               |
| 11 | ▪ Stability conditions.   | 1             | 3              | -               |
| 12 | ▪ Uniform and triangular loads.   | 1             | 3              | -               |
| 13 | ▪ Normal stresses   | 1             | 3              | -               |

|    |                     |           |           |          |
|----|---------------------|-----------|-----------|----------|
| 14 | ▪ Shear stresses    | 1         | 3         | -        |
| 15 | ▪ Combined stresses | 1         | 3         | -        |
|    | <b>Total hours</b>  | <b>15</b> | <b>45</b> | <b>-</b> |

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%

Reasons in detail for not teaching any topic

If any topics were taught which are not specified, give reasons in detail

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Researches:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

3- Student assessment:

| Method of assessment      | Percentage of total               |
|---------------------------|-----------------------------------|
| Final examination         | <input type="text" value="70 %"/> |
| Oral examination          | <input type="text" value="---%"/> |
| Practical/laboratory work | <input type="text" value="---%"/> |
| Assignments/class work    | <input type="text" value="20%"/>  |
| Mid-Term Exam             | <input type="text" value="10 %"/> |
| <b>Total</b>              | <b>100 %</b>                      |

Members of examination committee Dr. Tamer Seleem & Dr. Ayman Ezzat

Role of external evaluator

**4- Facilities and teaching materials:**

Totally adequate  yes  
Adequate to some extent  ---  
Inadequate  .....  
List any inadequacies  None

**5- Administrative constraints**

List any difficulties encountered

None

**6- Student evaluation of the course:**

List any criticisms

Response of course team

None

**7- Comments from external evaluator(s):**

Response of course team

None

**8- Course enhancement:**

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any non-completion None

**9- Action plan for academic year 2016 – 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| None             | None            | None               |

**Course coordinator:** Dr. Tamer Seleem

**Signature:**

**Date:** August 2017

## ARC 218: Sciagraphy and Perspective

### Annual Course Report

Academic year 2016-2017

#### A- Basic Information

1- Title and code : ARC 218: Sciagraphy and Perspective

2- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Sophomore -Level 2 – 4th Semester

4- Unit hours

|                 |            |             |             |                     |
|-----------------|------------|-------------|-------------|---------------------|
| Credit Hours: 3 | Lectures:1 | Tutorial: 4 | Practical:- | Pre-requisite: None |
|-----------------|------------|-------------|-------------|---------------------|

5- Names of lecturers contributing to the delivery of the course

Dr. Mona El-Basyoni

6- Course coordinator: Dr. Mona El-Basyoni

7- External evaluator: None

#### B- Statistical Information

No. of students attending the course (SPRING): No.  %

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 340 | 95.238 |
| Failed | 17  | 4.762  |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 56          | 15.686 |
| A     | 67          | 18.768 |
| A-    | 49          | 13.725 |
| B+    | 44          | 12.325 |
| B     | 43          | 12.045 |
| C+    | 27          | 7.563  |
| C     | 16          | 4.482  |
| D+    | 16          | 4.482  |
| D     | 6           | 1.681  |
| D-    | 16          | 4.482  |
| F     | 17          | 4.762  |

No. of students attending the course (SUMMER): No. 112 % 100

**Results:**

|        | No. | %      |
|--------|-----|--------|
| Passed | 106 | 94.643 |
| Failed | 6   | 5.357  |

**Grading of successful students**

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 9           | 8.036  |
| A     | 10          | 8.929  |
| A-    | 17          | 15.179 |
| B+    | 13          | 11.607 |
| B     | 9           | 8.036  |
| C+    | 9           | 8.036  |
| C     | 15          | 13.393 |
| D+    | 8           | 7.143  |
| D     | 11          | 9.821  |
| D-    | 5           | 4.464  |
| F     | 6           | 5.357  |

**C- Professional Information**

**1 – Course teaching**

|   | Topic  | Lecture hours | Tutorial hours | Practical hours |
|---|--|---------------|----------------|-----------------|
| 1 | Introduction to shades and shadows, Shade of points and lines. | 2             | 4              | -               |
| 2 | Shades of plains and surfaces                                  | 2             | 4              | -               |
| 3 | Shades of plains and surfaces                                  | 2             | 4              | -               |
| 4 | Shades of circles  | 2             | 4              | -               |
| 5 | Shades and shadows of objects and masses (prisms)              | 2             | 4              | -               |
| 6 | Shades and shadows of objects and masses (cone and cylinder)   | 2             | 4              | -               |
| 7 | Mid-Term Exam  | 2             | 4              | -               |
| 8 | Architectural applications                                     | 2             | 4              | -               |
| 9 | Architectural applications                                     | 2             | 4              | -               |

|    |  |           |           |          |
|----|--|-----------|-----------|----------|
| 10 | One vanishing point perspective                  | 2         | 4         | -        |
| 11 | Interior perspective                             | 2         | 4         | -        |
| 12 | Two vanishing points perspective                 | 2         | 4         | -        |
| 13 | Two vanishing points perspective                 | 2         | 4         | -        |
| 14 | Applications on two vanishing points perspective | 2         | 4         | -        |
| 15 | Revision   | 2         | 4         | -        |
|    | <b>Total hours</b>                               | <b>30</b> | <b>60</b> | <b>-</b> |

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%

Reasons in detail for not teaching any topic Non

If any topics were taught which are not specified, give reasons in detail Non

2- Teaching and learning methods:

Lectures:

Practical training:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons: none

3- Student assessment:

| Method of assessment   | Percentage of total               |
|------------------------|-----------------------------------|
| Final examination      | <input type="text" value="40%"/>  |
| Assignments/class work | <input type="text" value="50%"/>  |
| Mid-Term Exam          | <input type="text" value="10 %"/> |
| <b>Total</b>           | <b>100 %</b>                      |

Members of examination committee Dr. Mona El. Basyoni

Role of external evaluator Non

4- Facilities and teaching materials:

Totally adequate  Yes.

Adequate to some extent  .....

Inadequate  .....

List any inadequacies:  Non.

5- Administrative constraints

List any difficulties encountered

➤ none

6- Student evaluation of the course:

Response of course team

List any criticisms

Non

-

7- Comments from external evaluator(s):

Response of course team

Non

8- Course enhancement:

Action State whether or not completed and give reasons for any non-completion Non

9- Action plan for academic year 2016– 2017

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| Non              | Non             | -                  |

Course coordinator: Dr. Mona El-Basyoni

Signature:

Date: August 2017

**3<sup>rd</sup> year Architecture**

| S  | Course  |   |
|----|---------|---|
|    | Code    | Title   |
| 1  | ARC 311 | Architectural Construction & Building materials 1 |
| 2  | ARC 321 | Architecture & Human Studies                      |
| 3  | ARC 322 | Architectural Design 3                            |
| 4  | ARC 324 | Design Methodology                                |
| 5  | ARC 314 | Reinforced concrete & steel structures            |
| 6  | ARC 327 | Theories of Architecture (2)                      |
| 7  | ARC 326 | History and Theories of planning                  |
| 8  | ARC 312 | Architectural Construction & Building materials 2 |
| 9  | ARC 313 | Computer Applications 2                           |
| 10 | ARC 323 | Architectural Design 4                            |
| 11 | ARC 328 | Visual Training (2)                               |
| 12 | ARC 341 | History of Architecture (2)                       |
| 13 | ARC 310 | Environmental Control                             |
| 14 | ARC 315 | Foundation  |



## ARC 322 Architectural Design 3

### Annual Course Report

Academic year 2016-2017

#### A- Basic Information

1- Title and code : ARC 322 Architectural Design 3

2- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Sophomore -Level 3 - 5th Semester

4- Unit hours

|                |             |             |              |                  |
|----------------|-------------|-------------|--------------|------------------|
| Credit Hours:3 | Lectures: 1 | Tutorial: 6 | Practical: - | Pre-requisite: - |
|----------------|-------------|-------------|--------------|------------------|

5- Names of lecturers contributing to the delivery of the course

Dr. Asamer Zakariea

6- Course coordinator: Dr. Asamer Zakariea

7- External evaluator: None

#### B- Statistical Information

No. of students attending the course (FALL) : No.  %

#### Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 317 | 98.142 |
| Failed | 6   | 1.858  |

#### Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 2           | 0.619  |
| A     | 13          | 4.025  |
| A-    | 38          | 11.765 |
| B+    | 48          | 14.861 |
| B     | 53          | 16.409 |
| C+    | 36          | 11.146 |
| C     | 57          | 17.647 |
| D+    | 39          | 12.074 |
| D     | 16          | 4.954  |
| D-    | 15          | 4.644  |
| F     | 6           | 1.858  |

No. of students attending the course (Spring) : No.  %

**Results:**

|               | No. | %     |
|---------------|-----|-------|
| <b>Passed</b> | 59  | 98.33 |
| <b>Failed</b> | 1   | 1.67  |

**Grading of successful students**

| Grade | Student No. | %      |
|-------|-------------|--------|
| A-    | 3           | 5      |
| B+    | 8           | 13.33  |
| B     | 11          | 18.33  |
| C+    | 7           | 11.667 |
| C     | 12          | 20     |
| D+    | 10          | 16.667 |
| D     | 3           | 5      |
| D-    | 5           | 8.33   |
| F     | 1           | 1.66   |

**C- Professional Information**

**1 – Course teaching**

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. 1 <sup>st</sup> project : Central library | 1             | 6              |                 |
| 2. Library project + site analysis           | 1             | 6              |                 |
| 3. Design criteria of library buildings      | 1             | 6              |                 |
| 4. Bubble diagram + zoning of elements       | 1             | 6              |                 |
| 5. Site model                                | 1             | 6              |                 |
| 6. Masses – model - Concept development      | 1             | 6              |                 |
| 7. Mid-Term Exam                             | 1             | 6              |                 |
| 8. Drawing master plan                       | 1             | 6              |                 |
| 9. Solving design – problems in plan         | 1             | 6              |                 |

|  |    |    |  |
|--|----|----|--|
| 10. Final plans  | 1  | 6  |  |
| 11. Drawing main sections                                  | 1  | 6  |  |
| 12. Drawing elevations                                     | 1  | 6  |  |
| 13. Formation development in elevations                    | 1  | 6  |  |
| 14. Drawing 3d perspectives or isometric                   | 1  | 6  |  |
| 15. Final site design Final preservation of project + jury | 1  | 6  |  |
| <b>Total hours</b>   | 15 | 90 |  |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail

## 2- Teaching and learning methods:

Lectures:

Practical training/ laborat: Site Visits

Seminar/Workshop: Weekly

Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

## 3- Student assessment:

| Method of assessment         | Percentage of total               |
|------------------------------|-----------------------------------|
| Final examination            | <input type="text" value="40%"/>  |
| Practical/laboratory work    | <input type="text" value="----"/> |
| Other assignments/class work | <input type="text" value="20%"/>  |

|                              |       |
|------------------------------|-------|
| Other assignments/researches | 20%   |
| Mid-Term Exam                | 20%   |
| Total                        | 100 % |

Members of examination committee: Prof. Dr. Asamer zakareia

Role of external evaluator None

#### 4- Facilities and teaching materials:

|                         |       |
|-------------------------|-------|
| Totally adequate        | .Yes. |
| Adequate to some extent | ..... |
| Inadequate              | ..... |
| List any inadequacies   | None  |

#### 5- Administrative constraints

List any difficulties encountered

None

#### 6- Student evaluation of the course:

List any criticisms None

Response of course team

#### 7- Comments from external evaluator(s):

Review the targeted learning and outcomes

Response of course team

The learning outcomes have been revised

Increase the hours of lecturers

#### 8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Action State whether or not completed and give reasons for any non-completion

None

**9- Action plan for academic year 2016- 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:** Dr. Asamer zakareia

**Signature:**

**Date:** August 2017

## **ARC 323 Architectural Design 4**

### **Annual Course Report**

**Academic year 2016-2017**

#### **A- Basic Information**

**1- Title and code : ARC 323 Architectural Design 4**

**2- Program(s) on which this course is given:**

Architecture Engineering and Building Technology

**3- Year/Level of program:** Sophomore -Level 3 - 6th Semester

**4- Unit hours**

|                       |                    |                     |                     |                         |
|-----------------------|--------------------|---------------------|---------------------|-------------------------|
| <b>Credit Hours:3</b> | <b>Lectures: 1</b> | <b>Tutorial : 6</b> | <b>Practical: -</b> | <b>Pre-requisite: -</b> |
|-----------------------|--------------------|---------------------|---------------------|-------------------------|

**5- Names of lecturers contributing to the delivery of the course**

Dr. Asamer Zakariea

**6- Course coordinator:** Dr. Asamer Zakariea

**7- External evaluator:** None

#### **B- Statistical Information**

**No. of students attending the course (FALL) : No.**  **%**

**Results:**

|               | <b>No.</b> | <b>%</b> |
|---------------|------------|----------|
| <b>Passed</b> | 20         | 100      |
| <b>Failed</b> | 0          | 0        |

**Grading of successful students**

| <b>Grade</b> | <b>Student No.</b> | <b>%</b> |
|--------------|--------------------|----------|
| A            | 1                  | 5        |
| A-           | 1                  | 5        |
| B+           | 1                  | 5        |
| B            | 2                  | 10       |
| C+           | 3                  | 15       |
| C            | 8                  | 40       |
| D+           | 2                  | 10       |
| D            | 2                  | 10       |

No. of students attending the course (Spring) : No. 354 %100

**Results:**

|               | No. | %     |
|---------------|-----|-------|
| <b>Passed</b> | 347 | 98.0  |
| <b>Failed</b> | 7   | 1.977 |

**Grading of successful students**

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 9           | 2.542  |
| A     | 20          | 5.65   |
| A-    | 33          | 9.322  |
| B+    | 45          | 12.712 |
| B     | 48          | 13.559 |
| C+    | 52          | 14.689 |
| C     | 50          | 14.12  |
| D+    | 39          | 11.02  |
| D     | 29          | 8.19   |
| D-    | 2           | 6.215  |
| F     | 7           | 1.977  |

No. of students attending the course (SUMMER) : No. 42 %100

**Results:**

|               | No. | %     |
|---------------|-----|-------|
| <b>Passed</b> | 40  | 95.24 |
| <b>Failed</b> | 2   | 4.76  |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 1           | 2.38  |
| A-    | 1           | 2.38  |
| B+    | 3           | 7.14  |
| B     | 5           | 11.9  |
| C+    | 9           | 21.42 |
| C     | 9           | 21.42 |

|    |   |      |
|----|---|------|
| D+ | 5 | 11.9 |
| D  | 3 | 7.14 |
| D- | 4 | 9.52 |
| F  | 2 | 4.76 |

### C- Professional Information

#### 1 – Course teaching

| Topic                                   | Lecture hours | Tutorial hours | Practical hours |
|---|---------------|----------------|-----------------|
| 1. 1 <sup>st</sup> project : School     | 1             | 6              |                 |
| 2. Library project + site analysis      | 1             | 6              |                 |
| 3. Design criteria of library buildings | 1             | 6              |                 |
| 4. Bubble diagram + zoning of elements  | 1             | 6              |                 |
| 5. Site model                           | 1             | 6              |                 |
| 6. Masses – model - Concept development | 1             | 6              |                 |
| 7. Mid-Term Exam                        | 1             | 6              |                 |
| 8. Drawing master plan                  | 1             | 6              |                 |
| 9. Solving design – problems in plan    | 1             | 6              |                 |
| 10. Final plans                         | 1             | 6              |                 |
| 11. Drawing main sections               | 1             | 6              |                 |
| 12. Drawing elevations                  | 1             | 6              |                 |
| 13. Formation development in elevations | 1             | 6              |                 |



|  |    |    |  |
|--|----|----|--|
| 14. Drawing 3d perspectives or isometric                   | 1  | 6  |  |
| 15. Final site design Final preservation of project + jury | 1  | 6  |  |
| <b>Total hours</b>   | 15 | 90 |  |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail

2- Teaching and learning methods:

Lectures:

Practical training/ laborat: Site Visits

Seminar/Workshop: Weekly

Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

3- Student assessment:

| Method of assessment         | Percentage of total               |
|------------------------------|-----------------------------------|
| Final examination            | <input type="text" value="40 %"/> |
| Practical/laboratory work    | <input type="text" value="----"/> |
| Other assignments/class work | <input type="text" value="20%"/>  |

|                              |              |
|------------------------------|--------------|
| Other assignments/researches | 20%          |
| Mid-Term Exam                | 20%          |
| <b>Total</b>                 | <b>100 %</b> |

**Members of examination committee:** Prof. Dr. Asamer zakareia

**Role of external evaluator** None

#### 4- Facilities and teaching materials:

|                         |       |
|-------------------------|-------|
| Totally adequate        | .Yes. |
| Adequate to some extent | ..... |
| Inadequate              | ..... |
| List any inadequacies   | None  |

#### 5- Administrative constraints

**List any difficulties encountered**

None

#### 6- Student evaluation of the course:

**List any criticisms**

**Response of course team**

None

#### 7- Comments from external evaluator(s):

**Response of course team**

Review the targeted learning and outcomes The learning outcomes have been revised  
Increase the hours of lecturers **and the number of assistants**

#### 8- Course enhancement:

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016- 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:** . Dr. Asamer zakareia

**Signature:**

**Date:** August 2017

## ***ARC 324 Design Methodology***

### ***Annual Course Report***

**Academic year 2016-2017**

#### **A- Basic Information**

**1- Title and code : ARC 324 Design Methodology**

**2- Program(s) on which this course is given:**

Architecture Engineering and Building Technology

**3- Year/Level of program:** Sophomore -Level 3 - 5th Semester

**4- Unit hours**

|                       |                    |                    |                     |                         |
|-----------------------|--------------------|--------------------|---------------------|-------------------------|
| <b>Credit Hours:2</b> | <b>Lectures: 2</b> | <b>Tutorial: -</b> | <b>Practical: -</b> | <b>Pre-requisite: -</b> |
|-----------------------|--------------------|--------------------|---------------------|-------------------------|

**5-Names of lecturers contributing to the delivery of the course**

Dr. Moatz BeAllah

**6-Course coordinator:** Dr. Moatz BeAllah

**7-External evaluator:** None

#### **B- Statistical Information**

**No. of students attending the course (FALL) : No.  %**

#### **Results:**

|               | <b>No.</b> | <b>%</b> |
|---------------|------------|----------|
| <b>Passed</b> | 378        | 94.9     |
| <b>Failed</b> | 20         | 20.05    |

#### **Grading of successful students**

| <b>Grade</b> | <b>Student No.</b> | <b>%</b> |
|--------------|--------------------|----------|
| A            | 1                  | 0.25     |
| A-           | 13                 | 3.26     |
| B+           | 41                 | 13.56    |
| B            | 76                 | 19.09    |
| C+           | 74                 | 18.59    |
| C            | 77                 | 19.34    |
| D+           | 45                 | 11.3     |
| D            | 38                 | 9.54     |
| D-           | 13                 | 3.26     |
| F            | 20                 | 20.05    |

No. of students attending the course (SUMMER) : No. 18%000

**Results:**

|               | No. | %     |
|---------------|-----|-------|
| <b>Passed</b> | 17  | 94.44 |
| <b>Failed</b> | 1   | 5.556 |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| A-    | 4           | 22.2  |
| B+    | 3           | 16.6  |
| B     | 3           | 16.6  |
| C+    | 1           | 5.556 |
| C     | 4           | 22.2  |
| D+    | 1           | 5.556 |
| D     | 1           | 5.556 |
| F     | 1           | 5.556 |

**C- Professional Information**

**1 – Course teaching**

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. Traditional methods of thinking                             | 2             |                |                 |
| 2. Architectural problem & objectives                          | 2             |                |                 |
| 3. Main Goals ,Secondary Goals                                 | 2             |                |                 |
| 4. Pyramid of Goals  | 2             |                |                 |
| 5. Architectural Invention process                             | 2             |                |                 |
| 6. Phases of design process Tools of Architectural invention   | 2             |                |                 |
| 7. Mid Term Exam   | 2             |                |                 |
| 8. Methods of Architectural process Methods of Data Collection | 2             |                |                 |

|   |           |  |  |
|---|-----------|--|--|
| 9. Architectural Design Process phases                      | 2         |  |  |
| Examples of Different Building Design ,Goals , Zoning       | 2         |  |  |
| 10. Different components forms ,shapes, in Architecture     | 2         |  |  |
| 11. Different Architectural ,icons Ideas                    | 2         |  |  |
| 12. Explain Different Architectural examples ,concept ,idea | 2         |  |  |
| 13. Researches Presentation, revision                       | 2         |  |  |
| 14. Traditional methods of thinking                         | 2         |  |  |
| <b>Total hours</b>  | <b>30</b> |  |  |

**Topics taught as a percentage of the content specified:**

>90 %

70-90 %

<70%

**Reasons in detail for not teaching any topic**

None

**If any topics were taught which are not specified, give reasons in detail**

**2- Teaching and learning methods:**

**Lectures:**

**Practical training/ laborat:** Site Visits

**Seminar/Workshop:** Weekly

**Class activity:**

**Case Study:**

**Other assignments/homework:**

**If teaching and learning methods were used other than those specified, list and give reasons:**

**3- Student assessment:**

| Method of assessment         | Percentage of total |
|------------------------------|---------------------|
| Final examination            | 70 %                |
| Practical/laboratory work    | ----                |
| Other assignments/class work | ----                |
| Other assignments/researches | 20%                 |
| Mid-Term Exam                | 10%                 |
| <b>Total</b>                 | <b>100 %</b>        |

Members of examination committee: Dr. Moatz BeAllah

Role of external evaluator                      None

**4- Facilities and teaching materials:**

|                         |       |
|-------------------------|-------|
| Totally adequate        | .Yes. |
| Adequate to some extent | ..... |
| Inadequate              | ..... |
| List any inadequacies   | None  |

**5- Administrative constraints**

List any difficulties encountered

None

**6- Student evaluation of the course:**

List any criticisms                                      Response of course team

None

**7- Comments from external evaluator(s):                      Response of course team**

Review the targeted learning outcomes                      Updated references

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016– 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:** Prof. Dr. Moatz BeAllah

**Signature:**

**Date:** August 2017





|    |    |       |
|----|----|-------|
| D- | 37 | 10.3  |
| F  | 15 | 4.213 |

No. of students attending the course (Spring) : No. 59 % 100

Results:

|               | No. | %      |
|---------------|-----|--------|
| <b>Passed</b> | 50  | 84.7   |
| <b>Failed</b> | 9   | 15.254 |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 2           | 3.39  |
| A     | 1           | 1.69  |
| A-    | 3           | 5.08  |
| B+    | 1           | 1.69  |
| B     | 6           | 10.17 |
| C+    | 6           | 10.17 |
| C     | 10          | 16.95 |
| D+    | 4           | 6.78  |
| D     | 7           | 11.86 |
| D-    | 10          | 16.9  |
| F     | 9           | 15.25 |

### C- Professional Information

#### 1 – Course teaching

| Topic                   | Lecture hours | Tutorial hours | Practical hours |
|-------------------------|---------------|----------------|-----------------|
| 1. building types       | 2             |                |                 |
| 2. Educational building | 2             |                |                 |
| 3. Educational building | 2             |                |                 |
| 4. office building      | 2             |                |                 |

|                          |           |  |  |
|--------------------------|-----------|--|--|
| 5. hotels                | 2         |  |  |
| 6. Commercial buildings  | 2         |  |  |
| 7. Mid-Term Exam         | 2         |  |  |
| 8. Restaurants           | 2         |  |  |
| 9. Restaurants           | 2         |  |  |
| 10. Theatres             | 2         |  |  |
| 11. Theatres             | 2         |  |  |
| 12. Museum               | 2         |  |  |
| 13. Hospitals – parking  | 2         |  |  |
| 14. architectural themes | 2         |  |  |
| 15. architectural themes | 2         |  |  |
| <b>Total hours</b>       | <b>30</b> |  |  |

Topics taught as a percentage of the content specified:

>90 %  100 70-90 %  <70%

Reasons in detail for not teaching any topic  Non

If any topics were taught which are not specified, give reasons in detail

2- Teaching and learning methods:

Lectures:

Practical training/ laborat: Site Visits

Seminar/Workshop: Weekly

Class activity:

sketches Quizzes

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

**3- Student assessment:**

| Method of assessment         | Percentage of total               |
|------------------------------|-----------------------------------|
| Final examination            | <input type="text" value="70 %"/> |
| Practical/laboratory work    | <input type="text" value="----"/> |
| Other assignments/class work | <input type="text" value="----"/> |
| Other assignments/researches | <input type="text" value="20%"/>  |
| Mid-Term Exam                | <input type="text" value="10%"/>  |
| Total                        | 100 %                             |

Members of examination committee: Dr. Marwa Abbas

Role of external evaluator

**4- Facilities and teaching materials:**

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

**5- Administrative constraints**

List any difficulties encountered

None

**6- Student evaluation of the course:**

**List any criticisms**

**Response of course team**

None

**7- Comments from external evaluator(s):**

**Response of course team**

None

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016– 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:** Dr. Marwa Abbas

**Signature:**

**Date:** August 2017

## ***ARC 326 History & Theory of Planning***

### ***Annual Course Report***

**Academic year 2016-2017**

#### **A- Basic Information**

**1- Title and code : ARC 326 History & Theory of Planning**

**3- Program(s) on which this course is given:**

Architecture Engineering and Building Technology

**3- Year/Level of program:** Sophomore -Level 3 - 5th Semester

**4- Unit hours**

|                       |                    |                    |                     |                         |
|-----------------------|--------------------|--------------------|---------------------|-------------------------|
| <b>Credit Hours:2</b> | <b>Lectures: 2</b> | <b>Tutorial: -</b> | <b>Practical: -</b> | <b>Pre-requisite: -</b> |
|-----------------------|--------------------|--------------------|---------------------|-------------------------|

**5-Names of lecturers contributing to the delivery of the course**

Prof. Dr. Nahed Omran

**6-Course coordinator:** Prof. Dr. Nahed Omran

**7-External evaluator:** None

#### **B- Statistical Information**

**No. of students attending the course (FALL) : No.**  **%**

**Results:**

|               | <b>No.</b> | <b>%</b> |
|---------------|------------|----------|
| <b>Passed</b> | 343        | 96.07    |
| <b>Failed</b> | 14         | 3.9      |

**Grading of successful students**

| <b>Grade</b> | <b>Student No.</b> | <b>%</b> |
|--------------|--------------------|----------|
| A+           | 12                 | 3.36     |
| A            | 20                 | 5.6      |
| A-           | 23                 | 6.44     |
| B+           | 34                 | 9.5      |
| B            | 46                 | 12.8     |
| C+           | 57                 | 15.96    |
| C            | 50                 | 14       |
| D+           | 48                 | 13.4     |
| D            | 34                 | 9.5      |
| D-           | 19                 | 5.3      |
| F            | 14                 | 3.9      |

## C- Professional Information

### 1 – Course teaching

|    | Topic   | Lecture hours | Tutorial hours | Practical hours |
|----|---|---------------|----------------|-----------------|
| 1  | The beginning of the city   | 2             |                |                 |
| 2  | Mesopotamia cities.   | 2             |                |                 |
| 3  | Ancient Egyptian civilization   | 2             |                |                 |
| 4  | Planning of Greek cities  | 2             |                |                 |
| 5  | Planning of roman cities.   | 2             |                |                 |
| 6  | Analysis for the planning theories in that ear  | 2             |                |                 |
| 7  | Mid-Term  | 2             |                |                 |
| 8  | Cities in the middle eras   | 2             |                |                 |
| 9  | Islamic cities  | 2             |                |                 |
| 10 | Islamic city (case studies)   | 2             |                |                 |
| 11 | The renaissance cities.   | 2             |                |                 |
| 12 | Applications for the model towns  | 2             |                |                 |
| 13 | Theories for city planning  | 2             |                |                 |
| 14 | The Contemporary Egyptian city and its problems-<br>environmental problems-pollution-slum areas | 2             |                |                 |
| 15 | Final revision – discussion for the second<br>requirement report                                | 2             |                |                 |

|             |    |  |  |
|-------------|----|--|--|
| Total hours | 30 |  |  |
|-------------|----|--|--|

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail

2- Teaching and learning methods:

Lectures:

Practical training/ laborat : Site Visits

Seminar/Workshop: Weekly

Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

3- Student assessment:

| Method of assessment         | Percentage of total               |
|------------------------------|-----------------------------------|
| Final examination            | <input type="text" value="70 %"/> |
| Practical/laboratory work    | <input type="text" value="----"/> |
| Other assignments/class work | <input type="text" value="----"/> |
| Other assignments/researches | <input type="text" value="20%"/>  |
| Mid-Term Exam                | <input type="text" value="10%"/>  |
| Total                        | 100 %                             |

Members of examination committee: Prof. Dr. Nahed Omran

Role of external evaluator None



**4- Facilities and teaching materials:**

- Totally adequate  .Yes.
- Adequate to some extent  .....
- Inadequate  .....
- List any inadequacies  None

**5- Administrative constraints**

- List any difficulties encountered  
 None

**6- Student evaluation of the course:**

- List any criticisms  None
- Response of course team

**7- Comments from external evaluator(s):**  Response of course team

- Review the targeted learning outcomes  The learning outcomes have been revised
- Updated References

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016– 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:** Prof. Dr. Nahed Omran

**Signature:**

**Date:** August 2017

## ARC 311 Architectural Construction & Building Materials

### *Annual Course Report*

Academic year 2016-2017

#### A- Basic Information

1- Title and code : ARC 311 Architectural Construction & Building Materials

2- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Sophomore -Level 3 - 5th Semester

4- Unit hours

|                |             |             |              |                  |
|----------------|-------------|-------------|--------------|------------------|
| Credit Hours:3 | Lectures: 2 | Tutorial: 3 | Practical: - | Pre-requisite: - |
|----------------|-------------|-------------|--------------|------------------|

5- Names of lecturers contributing to the delivery of the course

Dr. Magdy Tamam

6-Course coordinator: Dr. Magdy Tamam

7-External evaluator: None

#### B- Statistical Information

No. of students attending the course (FALL) : No.  %

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 319 | 97.256 |
| Failed | 9   | 2.744  |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 1           |        |
| A     | 7           |        |
| A-    | 27          |        |
| B+    | 36          | 10.976 |
| B     | 53          | 16.156 |
| C+    | 61          | 18.598 |
| C     | 47          | 14.329 |
| D+    | 40          | 12.195 |
| D     | 23          | 7.012  |
| D-    | 24          | 7.317  |

|   |   |       |
|---|---|-------|
| F | 9 | 2.744 |
|---|---|-------|

No. of students attending the course (Spring) : No. 64 % 100

Results:

|        | No. | %     |
|--------|-----|-------|
| Passed | 49  | 76.56 |
| Failed | 15  | 23.44 |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| B+    | 1           | 1.56  |
| B     | 1           | 1.56  |
| C+    | 4           | 6.25  |
| C     | 7           | 10.94 |
| D+    | 8           | 12.5  |
| D     | 12          | 18.75 |
| D-    | 16          | 35    |
| F     | 15          | 23.44 |

### C- Professional Information

#### 1 – Course teaching

| Topic   | Lecture hours | Tutorial hours | Practical hours |
|---|---------------|----------------|-----------------|
| 1. Introduction & Revision ( Symbols)   | 2             | 3              |                 |
| 2. Waterproofing – Heat, sound and Radiation Insulations (Methods -Types- Materials). | 2             | 3              |                 |
| 3. Insulation Layers and Applying methods.  | 2             | 3              |                 |
| 4. Expansion, Settlement and Material Joints. (Floors-Roofs-Walls...).                | 2             | 3              |                 |
| 5. Walls and Floors ( Interior& Exterior) (Finishing Materials, Plaster, painting).   | 2             | 3              |                 |
| 6. Stairs (Design–Types-Specifications and Construction).                             | 2             | 3              |                 |
| 7. Mid-Term Exam  | 2             | 3              |                 |

|   |           |           |  |
|---|-----------|-----------|--|
| 8. Reinforced Concrete Stairs (Details)-Handrail – Finishing Materials                      | 2         | 3         |  |
| 9. Wood ( introduction–types–use in buildings)  | 2         | 3         |  |
| 10. Wooden Work & Products<br>Design and Drawing basics (Joist sizes - Joints-accessories). | 2         | 3         |  |
| 11. Wooden Doors ( Interior& Exterior) (Frames, Stock and Hardware).                        | 2         | 3         |  |
| 12. Wooden doors Details (Solid Molded, Slat ).   | 2         | 3         |  |
| 13. Wood doors Details (Paneled, Flush doors).  | 2         | 3         |  |
| 14. Wood doors Details (Doors Hardware Equipment).  | 2         | 3         |  |
| 15. Revision: .....Revision   | 2         | 3         |  |
| <b>Total hours</b>  | <b>30</b> | <b>45</b> |  |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic Non

If any topics were taught which are not specified, give reasons in detail

**2- Teaching and learning methods:**

Lectures:

Practical training/ laborat: Site Visits

Seminar/Workshop: Weekly

Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

**3- Student assessment:**

| Method of assessment         | Percentage of total |
|------------------------------|---------------------|
| Final examination            | 40%                 |
| Practical/laboratory work    | ----                |
| Other assignments/class work | 20%                 |
| Other assignments/researches | 20%                 |
| Mid-Term Exam                | 20%                 |
| <b>Total</b>                 | <b>100 %</b>        |

Members of examination committee: Prof. Dr. Magdy Tamam

Role of external evaluator                      None

**4- Facilities and teaching materials:**

|                         |       |
|-------------------------|-------|
| Totally adequate        | .Yes. |
| Adequate to some extent | ..... |
| Inadequate              | ..... |
| List any inadequacies   | None  |

**5- Administrative constraints**

List any difficulties encountered

None

**6- Student evaluation of the course:**

List any criticisms

Response of course team

None

**7- Comments from external evaluator(s):**

Response of course team

Review Professional and Practical skills

All skills had been updated

Increase the number of assistants

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016– 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:** Dr. Magdy Tamam

**Signature:**

**Date:** August 2017

## ***ARC 321 Architecture & Human Studies***

### ***Annual Course Report***

**Academic year 2016-2017**

#### **A- Basic Information**

- 1- Title and code : **ARC 321 Architecture & Human Studies**
- 2- Program(s) on which this course is given: **Architecture Engineering and Building Technology**
- 3- Year/Level of program: **Sophomore -Level 3 - 5th Semester**
- 4- Unit hours

|                       |                    |                    |                     |                         |
|-----------------------|--------------------|--------------------|---------------------|-------------------------|
| <b>Credit Hours:2</b> | <b>Lectures: 2</b> | <b>Tutorial: -</b> | <b>Practical: -</b> | <b>Pre-requisite: -</b> |
|-----------------------|--------------------|--------------------|---------------------|-------------------------|

5-Names of lecturers contributing to the delivery of the course

Prof. Dr. Mohamed Thabat

6-Course coordinator: **Dr. Mohamed Thabat**

7-External evaluator: **None**

#### **B- Statistical Information**

No. of students attending the course (FALL) : No. 360 % 100

#### **Results:**

|               | <b>No.</b> | <b>%</b> |
|---------------|------------|----------|
| <b>Passed</b> | 346        | 96.11    |
| <b>Failed</b> | 14         | 3.977    |

#### **Grading of successful students**

| <b>Grade</b> | <b>Student No.</b> | <b>%</b> |
|--------------|--------------------|----------|
| A+           | 14                 | 3.977    |
| A            | 37                 | 10.511   |
| A-           | 43                 | 12.216   |
| B+           | 52                 | 14.773   |
| B            | 55                 | 15.625   |
| C+           | 40                 | 11.11    |
| C            | 45                 | 12.500   |
| D+           | 26                 | 7.22     |
| D            | 16                 | 4.261    |
| D-           | 18                 | 4.830    |

|   |    |     |
|---|----|-----|
| F | 14 | 3.9 |
|---|----|-----|

No. of students attending the course (SPRING) : No. 22 % 100

Results:

|               | No. | %      |
|---------------|-----|--------|
| <b>Passed</b> | 21  | 95.455 |
| <b>Failed</b> | 1   | 4.5    |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A-    | 1           | 4.5   |
| B+    | 3           | 13.63 |
| C+    | 3           | 13.63 |
| C     | 8           | 36.36 |
| D+    | 4           | 18.18 |
| D     | 1           | 4.5   |
| D-    | 1           | 4.5   |
| F     | 1           | 4.5   |

No. of students attending the course (SUMMER) : No. 19 % 100

Results:

|               | No. | %     |
|---------------|-----|-------|
| <b>Passed</b> | 16  | 84.2  |
| <b>Failed</b> | 3   | 15.78 |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A     | 1           | 5.2   |
| B+    | 1           | 5.2   |
| C+    | 4           | 21.05 |
| C     | 6           | 31.57 |
| D+    | 2           | 10.5  |
| D-    | 2           | 10.5  |
| F     | 3           | 15.78 |



**1 – Course teaching**

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. Introduction, basic definitions and terminology                             | 2             |                |                 |
| 2. Main topics of human studies & Architecture                                 | 2             |                |                 |
| 3. Human needs & its impact on space & Arch.                                   | 2             |                |                 |
| 4. Islamic culture in Arch.  | 2             |                |                 |
| 5. Arch. values in Islamic city  | 2             |                |                 |
| 6. Arch. As build environment The role of the environment (green & smart) Arch | 2             |                |                 |
| 7. Mid Term Exam   | 2             |                |                 |
| 8. Shaping the culture & behavior of a Society throughout history              | 2             |                |                 |
| 9. Shaping the culture & behavior of a Society throughout history              | 2             |                |                 |
| 10. Vernaculars & traditional arch   | 2             |                |                 |
| 11. Relation between man & environment   | 2             |                |                 |
| 12. Relation between man & environment   | 2             |                |                 |
| 13. Natural & informal arch. □Nubian / siwa / etc.                             | 2             |                |                 |
| 14. Informal arch  | 2             |                |                 |
| 15. Community participation  | 2             |                |                 |
| <b>Total hours</b>   | <b>30</b>     |                |                 |

**Topics taught as a percentage of the content specified:**

>90 %

100

70-90 %

<70%

...

**Reasons in detail for not teaching any topic**

None

**If any topics were taught which are not specified, give reasons in detail**

**2- Teaching and learning methods:**

Lectures:

Practical training/ laborat: Site Visits

Seminar/Workshop: Weekly

Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

**3- Student assessment:**

| Method of assessment         | Percentage of total               |
|------------------------------|-----------------------------------|
| Final examination            | <input type="text" value="70 %"/> |
| Practical/laboratory work    | <input type="text" value="----"/> |
| Other assignments/class work | <input type="text" value="----"/> |
| Other assignments/researches | <input type="text" value="20%"/>  |
| Mid-Term Exam                | <input type="text" value="10%"/>  |
| <b>Total</b>                 | <b>100 %</b>                      |

Members of examination committee: Dr. Mohamed Thabat

Role of external evaluator: None

**4- Facilities and teaching materials:**

|                         |                                    |
|-------------------------|------------------------------------|
| Totally adequate        | <input type="text" value=".Yes."/> |
| Adequate to some extent | <input type="text" value="....."/> |
| Inadequate              | <input type="text" value="....."/> |
| List any inadequacies   | <input type="text" value="None"/>  |

**5- Administrative constraints**

List any difficulties encountered

None

**6- Student evaluation of the course:**

List any criticisms

Response of course team

None

**7- Comments from external evaluator(s):**

Response of course team

Updateing References

**8- Course enhancement:**

Progress on actions identified in the previous year's action plan:

Action State whether or not completed and give reasons for any non-completion

None

**9- Action plan for academic year 2016- 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:** Prof. Dr. Mohamed Thabat

**Signature:**      **Date:** August 2017

## **ARC 314 Reinforced Concrete & Steel Structures**

### **Annual Course Report**

#### **Academic year 2016-2017**

#### **A- Basic Information**

- 1- **Title and code** : ARC 314 Reinforced Concrete & Steel Structures
- 2- **Program(s) on which this course is given:**  
 Architecture Engineering and Building Technology
- 3- **Year/Level of program:** Sophomore -Level 3 - 5th Semester
- 4- **Unit hours**

|                        |                    |                    |                     |                         |
|------------------------|--------------------|--------------------|---------------------|-------------------------|
| <b>Credit Hours: 3</b> | <b>Lectures: 2</b> | <b>Tutorial: 3</b> | <b>Practical: -</b> | <b>Pre-requisite: -</b> |
|------------------------|--------------------|--------------------|---------------------|-------------------------|

**5-Names of lecturers contributing to the delivery of the course**

Dr. Ayman Ezzat

**6-Course coordinator:** Dr. Ayman Ezzat

**7-External evaluator:** None

#### **B- Statistical Information**

**No. of students attending the course (FALL) :** No. 337      % 100

**Results:**

|               | No. | %    |
|---------------|-----|------|
| <b>Passed</b> | 306 | 90.8 |
| <b>Failed</b> | 31  | 9.19 |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 23          | 6.8   |
| A     | 34          | 10    |
| A-    | 50          | 14.8  |
| B+    | 45          | 13.35 |
| B     | 44          | 13.05 |
| C+    | 26          | 7.7   |
| C     | 34          | 10.08 |
| D+    | 18          | 5.3   |
| D     | 17          | 5.0   |
| D-    | 15          | 4.4   |
| F     | 31          | 9.19  |

No. of students attending the course (SUMMER) : No.  %

**Results:**

|               | No. | %     |
|---------------|-----|-------|
| <b>Passed</b> | 74  | 67.89 |
| <b>Failed</b> | 35  | 32.1  |

**Grading of successful students**

| Grade | Student No. | %      |
|-------|-------------|--------|
| A-    | 3           | 2.75   |
| B+    | 3           | 2.75   |
| B     | 4           | 3.67   |
| C+    | 11          | 10.09  |
| C     | 19          | 17.43  |
| D+    | 10          | 9.17   |
| D     | 8           | 7.33   |
| D-    | 16          | 14.679 |
| F     | 35          | 32.1   |

**C- Professional Information**

**1 - Course teaching**

|   | Topic  | Lecture hours | Tutorial hours | Practical hours |
|---|--|---------------|----------------|-----------------|
| 1 | Introduction to reinforced concrete.                 | 2             | 3              |                 |
| 2 | Design fundamentals for concrete structures.         | 2             | 3              |                 |
| 3 | Analysis and design of sections under bending moment | 2             | 3              |                 |
| 4 | Load distribution                                    | 2             | 3              |                 |
| 5 | Details of beams' reinforcement                      | 2             | 3              |                 |
| 6 | Solid slabs.   | 2             | 3              |                 |

|    |  |           |           |  |
|----|--|-----------|-----------|--|
| 7  | Mid-Term Exam                            | 2         | 3         |  |
| 8  | Stairs- Columns.                         | 2         | 3         |  |
| 9  | Special slabs.                           | 2         | 3         |  |
| 10 | Design fundamentals of steel structures. | 2         | 3         |  |
| 11 | Details for trusses.                     | 2         | 3         |  |
| 12 | Details for steel frames                 | 2         | 3         |  |
| 13 | Design of columns                        | 2         | 3         |  |
| 14 | Design o beams                           | 2         | 3         |  |
| 15 | Design of connections                    | 2         | 3         |  |
|    | <b>Total hours</b>                       | <b>30</b> | <b>45</b> |  |

Topics taught as a percentage of the content specified:

>90 %  100 70-90 % <70%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail

2- Teaching and learning methods:

Lectures:

Practical training/ laborat : Site Visits

Seminar/Workshop: Weekly

Class activity:

Quizzes

Case Study: None

Other assignments/homework: weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

3- Student assessment:

| Method of assessment         | Percentage of total |
|------------------------------|---------------------|
| Final examination            | 7 %                 |
| Practical/laboratory work    | ----                |
| Other assignments/class work | ----                |
| Other assignments/researches | 20%                 |
| Mid-Term Exam                | 10%                 |
| Total                        | 100 %               |

Members of examination committee: Prof. Dr. Ayman Ezzat

Role of external evaluator None

4- Facilities and teaching materials:

|                         |       |
|-------------------------|-------|
| Totally adequate        | .Yes. |
| Adequate to some extent | ..... |
| Inadequate              | ..... |
| List any inadequacies   | None  |

5- Administrative constraints

List any difficulties encountered

None

**6- Student evaluation of the course:**

**List any criticisms**

**Response of course team**

None

**7- Comments from external evaluator(s):**

**Response of course team**

None

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

**9- Action plan for academic year 2016– 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:** Prof. Dr. Ayman Ezzat

**Signature:**

**Date:** August 2017



**ARC 312 Architectural Construction &  
Building Materials 2  
Annual Course Report  
Academic year 2016-2017**

**A- Basic Information**

**3- Title and code : ARC 312 Architectural Construction &  
Building Materials 2**

**2- Program(s) on which this course is given:**

Architecture Engineering and Building Technology

**3- Year/Level of program:** Sophomore -Level 3 - 6th Semester

**4- Unit hours**

|                        |                    |                  |                     |                         |
|------------------------|--------------------|------------------|---------------------|-------------------------|
| <b>Credit Hours: 3</b> | <b>Lectures: 2</b> | <b>Tutorial3</b> | <b>Practical: -</b> | <b>Pre-requisite: -</b> |
|------------------------|--------------------|------------------|---------------------|-------------------------|

**5-Names of lecturers contributing to the delivery of the course**

Dr. Magdy Tamam

**6-Course coordinator:** Dr. Magdy Tamam

**7-External evaluator:** None

**B- Statistical Information**

**No. of students attending the course (FALL) : No. 13 % 100**

**Results:**

|               | <b>No.</b> | <b>%</b> |
|---------------|------------|----------|
| <b>Passed</b> | 10         | 76.923   |
| <b>Failed</b> | 3          | 23.077   |

**Grading of successful students**

| <b>Grade</b> | <b>Student No.</b> | <b>%</b> |
|--------------|--------------------|----------|
| B+           | 1                  | 7.692    |
| C+           | 1                  | 7.692    |
| C            | 2                  | 15.385   |
| D+           | 2                  | 15.385   |
| D            | 2                  | 15.385   |
| D-           | 2                  | 15.385   |
| F            | 3                  | 23.077   |

No. of students attending the course (SPRING) : No. 367 %100

**Results:**

|               | No. | %      |
|---------------|-----|--------|
| <b>Passed</b> | 350 | 95.368 |
| <b>Failed</b> | 17  | 4.63   |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| A     | 2           | 0.54  |
| A-    | 14          | 3.81  |
| B+    | 25          | 6.82  |
| B     | 37          | 10.08 |
| C+    | 51          | 13.89 |
| C     | 61          | 16.62 |
| D+    | 53          | 14.44 |
| D     | 62          | 16.89 |
| D-    | 45          | 12.26 |
| F     | 17          | 4.63  |

No. of students attending the course (SUMMER) : No. 41 %100

**Results:**

|               | No. | %      |
|---------------|-----|--------|
| <b>Passed</b> | 37  | 90.244 |
| <b>Failed</b> | 4   | 9.75   |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| A     | 1           | 2.43  |
| B+    | 4           | 9.75  |
| C+    | 4           | 9.75  |
| C     | 10          | 24.39 |
| D+    | 8           | 19.5  |
| D     | 4           | 9.75  |
| D-    | 6           | 14.6  |
| F     | 4           | 9.75  |

**C- Professional Information**

**1 – Course teaching**

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. Introduction & Revision   | 2             | 3              |                 |
| 2. Steel works(types-sections-materials-usage)   | 2             | 3              |                 |
| 3. Steel connections & welding   | 2             | 3              |                 |
| 4. Steel columns – frames – beams – roofing – cladding   | 2             | 3              |                 |
| 5. Steel stairs ( Design – types – specifications & construction ) and mechanical works        | 2             | 3              |                 |
| 6. Steel doors & windows ( intro – types – usage – joints – accessories – details – equipment) | 2             | 3              |                 |
| 7. Mid-Term Exam   | 2             | 3              |                 |
| 8. Intro in working drawing projects , plans of project with check list & finishing tables     | 2             | 3              |                 |
| 9. Sections of projects  | 2             | 3              |                 |
| 10. Elevations of project with check list & finishing tabel                                    | 2             | 3              |                 |
| 11. Layout ( softscape – hardscape ) with finishes table                                       | 2             | 3              |                 |
| 12. Sanitary works & its drawing with symbols  | 2             | 3              |                 |
| 13. Electrical works of its drawing with symbols   | 2             | 3              |                 |
| 14. Mechanical works ( elevations – sections)  | 2             | 3              |                 |
| 15. Revision: .....presentation  | 2             | 3              |                 |
| <b>Total hours</b>   | <b>30</b>     | <b>45</b>      |                 |

**Topics taught as a percentage of the content specified:**

>90 %

100

70-90 %

<70%

...

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail

## 2- Teaching and learning methods:

Lectures: lecturing using the White board and Data Show

Practical training/ laborat : Site Visits

Seminar/Workshop: Weekly

Class activity:

sketches ,Quizzes

Case Study: None

Other assignments/homework: -weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons: None

## 3- Student assessment:

| Method of assessment         | Percentage of total |
|------------------------------|---------------------|
| Final examination            | 40 %                |
| Practical/laboratory work    | ----                |
| Other assignments/class work | 20%                 |
| Other assignments/researches | 10%                 |
| Mid-Term Exam                | 10%                 |
| Total                        | 100 %               |

Members of examination committee: Dr. Magdy Tamam

Role of external evaluator None

**4- Facilities and teaching materials:**

- Totally adequate  .Yes.
- Adequate to some extent  .....
- Inadequate  .....
- List any inadequacies  None

**5- Administrative constraints**

List any difficulties encountered

None

**6- Student evaluation of the course:**

List any criticisms

Response of course team

None

**7- Comments from external evaluator(s):      Response of course team**

Review the targeted learning outcomes and practical skills

Increase the hours of lecturers and exercises.

**8- Course enhancement:**

Progress on actions identified in the previous year's action plan:

Action State whether or not completed and give reasons for any non-completion

None

**9- Action plan for academic year 2016– 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:** Dr. Magdy Tamam

**Signature:**

**Date:** August 2017

## ***ARC 341 History of Architecture (2)***

### ***Annual Course Report***

**Academic year 2016-2017**

#### **A- Basic Information**

- 1- Title and code : ARC 341 History of Architecture (2)
- 2- Program(s) on which this course is given:  
Architecture Engineering and Building Technology
- 3- Year/Level of program: Sophomore -Level 3 - 6th Semester
- 4- Unit hours

|                       |                    |                   |                     |                         |
|-----------------------|--------------------|-------------------|---------------------|-------------------------|
| <b>Credit Hours:2</b> | <b>Lectures: 2</b> | <b>Tutorial:-</b> | <b>Practical: -</b> | <b>Pre-requisite: -</b> |
|-----------------------|--------------------|-------------------|---------------------|-------------------------|

5-Names of lecturers contributing to the delivery of the course

Prof. Dr. Reham Momtaz

6-Course coordinator: Prof. Dr. Reham Momtaz

7-External evaluator: None

#### **B- Statistical Information**

No. of students attending the course (FALL) : No.  %

Results:

|               | No. | %     |
|---------------|-----|-------|
| <b>Passed</b> | 41  | 87.23 |
| <b>Failed</b> | 6   | 12.76 |

**Grading of successful students**

| Grade | Student No. | %      |
|-------|-------------|--------|
| B+    | 4           | 8.5    |
| C+    | 4           | 8.5    |
| C     | 16          | 34.04  |
| D+    | 7           | 14.89  |
| D-    | 5           | 10.638 |
| D     | 5           | 10.638 |
| F     | 6           | 12.76  |

No. of students attending the course (Spring) : No.  %

**Results:**

|               | No. | %     |
|---------------|-----|-------|
| <b>Passed</b> | 335 | 90.78 |
| <b>Failed</b> | 34  | 9.21  |

**Grading of successful students**

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 2           | 0.54   |
| A     | 14          | 3.79   |
| A-    | 31          | 8.4    |
| B+    | 39          | 10.569 |
| B     | 51          | 13.82  |
| C+    | 50          | 13.55  |
| C     | 52          | 14.09  |
| D+    | 41          | 11.11  |
| D-    | 26          | 7.04   |
| D     | 29          | 7.86   |
| F     | 34          | 9.21   |

**C- Professional Information**

**1 - Course teaching**

| Topic                                  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. General introduction for the course | 2             |                |                 |
| 2. Christian age                       | 2             |                |                 |
| 3. Christian age                       | 2             |                |                 |
| 4. Coptic architecture                 | 2             |                |                 |
| 5. Byzantine architecture              | 2             |                |                 |
| 6. Byzantine architecture              | 2             |                |                 |

|  |           |  |  |
|--|-----------|--|--|
| 7. Mid-Term Exam   | 2         |  |  |
| 8. Romanesque architecture   | 2         |  |  |
| 9. Gothic style in France  | 2         |  |  |
| 10. Gothic style in Italy  | 2         |  |  |
| 11. Gothic style in Europe   | 2         |  |  |
| 12. Digital Presentation of the Final Researches:<br>13. (Jury) : <i>Staff's Criticism / Evaluation for each Student</i> | 2         |  |  |
| 14. Digital Presentation of the Final Researches:<br>15. (Jury) : <i>Staff's Criticism / Evaluation for each Student</i> | 2         |  |  |
| <b>Total hours</b>   | <b>30</b> |  |  |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic Non

If any topics were taught which are not specified, give reasons in detail

## 2- Teaching and learning methods:

Lectures:

Practical training/ laborat : Site Visits

Seminar/Workshop: Weekly

Class activity:

Case Study:

Other assignments/homework:



If teaching and learning methods were used other than those specified, list and give reasons:

**3- Student assessment:**

| Method of assessment         | Percentage of total               |
|------------------------------|-----------------------------------|
| Final examination            | <input type="text" value="70 %"/> |
| Practical/laboratory work    | <input type="text" value="----"/> |
| Other assignments/class work | <input type="text" value="----"/> |
| Other assignments/researches | <input type="text" value="20%"/>  |
| Mid-Term Exam                | <input type="text" value="10%"/>  |
| Total                        | 100 %                             |

Members of examination committee: Prof. Dr. Reham Momtaz

Role of external evaluator

**4- Facilities and teaching materials:**

|                         |                                    |
|-------------------------|------------------------------------|
| Totally adequate        | <input type="text" value=".Yes."/> |
| Adequate to some extent | <input type="text" value="....."/> |
| Inadequate              | <input type="text" value="....."/> |
| List any inadequacies   | <input type="text" value="None"/>  |

**5- Administrative constraints**

List any difficulties encountered

**6- Student evaluation of the course:**

List any criticisms

Response of course team

**7- Comments from external evaluator(s):      Response of course team**

Updated the References

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016– 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:**      Prof. Dr. Reham Momtaz

**Signature:**

**Date:**                      August 2017

## ARC 328 Visual Training(2)

### Annual Course Report

Academic year 2016-2017

#### A- Basic Information

- 1- Title and code : ARC 328 Visual Training(2)
- 2- Program(s) on which this course is given:  
 Architecture Engineering and Building Technology
- 3- Year/Level of program: Sophomore -Level 3 - 6th Semester
- 4- Unit hours

|                 |             |             |              |                  |
|-----------------|-------------|-------------|--------------|------------------|
| Credit Hours: 2 | Lectures: 1 | Tutorial: 3 | Practical: - | Pre-requisite: - |
|-----------------|-------------|-------------|--------------|------------------|

5-Names of lecturers contributing to the delivery of the course

Dr. Amira Mostafa

6-Course coordinator: Dr. Amira Mostafa

7-External evaluator:None

#### B- Statistical Information

No. of students attending the course (SPRING) : No.  %

Results:

|        | No. | %      |
|--------|-----|--------|
| Passed | 388 | 93.269 |
| Failed | 28  | 6.73   |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 20          | 4.808  |
| A     | 47          | 11.298 |
| A-    | 44          | 10.67  |
| B+    | 49          | 11.78  |
| B     | 61          | 14.66  |
| C+    | 41          | 9.85   |
| C     | 46          | 11.058 |
| D+    | 36          | 8.65   |
| D     | 26          | 6.25   |

|    |    |      |
|----|----|------|
| D- | 18 | 4.33 |
| F  | 28 | 6.73 |

No. of students attending the course (SUMMER) : No. 26 % 100

**Results:**

|               | No. | %     |
|---------------|-----|-------|
| <b>Passed</b> | 25  | 96.15 |
| <b>Failed</b> | 1   | 3.84  |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| A     | 1           | 3.8   |
| A-    | 1           | 3.8   |
| B+    | 3           | 11.5  |
| B     | 3           | 11.5  |
| C+    | 2           | 7.69  |
| C     | 9           | 34.6  |
| D+    | 4           | 15.38 |
| D     | 1           | 3.8   |
| D-    | 1           | 3.8   |
| F     | 1           | 3.8   |

**C- Professional Information**

**1 – Course teaching**

| Topic   | Lecture hours | Tutorial hours | Practical hours |
|---|---------------|----------------|-----------------|
| 1. Introduction of color as phenomena, color symbol, properties, and psychology of color effect | 1             | 3              |                 |
| 2. Painting circle of (3)basic color (6 -12)  | 1             | 3              |                 |
| 3. color theory of Ostwald and coloring techniques  | 1             | 3              |                 |
| 4. color notation ( munsell theory ) and coloring techniques                                    | 1             | 3              |                 |
| 5. Color value and Grey scale   | 1             | 3              |                 |

|  |           |           |  |
|--|-----------|-----------|--|
| 6. Intensity of color ( chrome )                                       | 1         | 3         |  |
| 7. Mid-Term Exam   | 1         | 3         |  |
| 8. Cool & warm colors  | 1         | 3         |  |
| 9. Research presentation & Discussion                                  | 1         | 3         |  |
| 10. Combining & contrasting colors                                     | 1         | 3         |  |
| 11. Harmony & disharmony of colors                                     | 1         | 3         |  |
| 12. Introduction water colors naturally                                | 1         | 3         |  |
| 13. Drawing architectural water colors project and manual presentation | 1         | 3         |  |
| 14. water colors in presenting layout and plans                        | 1         | 3         |  |
| 15. water colors in presenting elevations                              | 1         | 3         |  |
| <b>Total hours</b>   | <b>15</b> | <b>45</b> |  |

**Topics taught as a percentage of the content specified:**

>90 %  70-90 % <70%

**Reasons in detail for not teaching any topic** Non

**If any topics were taught which are not specified, give reasons in detail**

**2- Teaching and learning methods:**

**Lectures:**

**Practical training/ laborat :** Site Visits

**Seminar/Workshop:** Weekly

**Class activity:**

**Case Study:**

**Other assignments/homework:**

If teaching and learning methods were used other than those specified, list and give reasons:

**3- Student assessment:**

| Method of assessment         | Percentage of total                |
|------------------------------|------------------------------------|
| Final examination            | <input type="text" value="40 %"/>  |
| Practical/laboratory work    | <input type="text" value="-----"/> |
| Other assignments/class work | <input type="text" value="20%"/>   |
| Other assignments/researches | <input type="text" value="20%"/>   |
| Mid-Term Exam                | <input type="text" value="20%"/>   |
| Total                        | 100 %                              |

Members of examination committee: Dr. Amira Mostafa

Role of external evaluator

**4- Facilities and teaching materials:**

|                         |                                    |
|-------------------------|------------------------------------|
| Totally adequate        | <input type="text" value=".Yes."/> |
| Adequate to some extent | <input type="text" value="....."/> |
| Inadequate              | <input type="text" value="....."/> |
| List any inadequacies   | <input type="text" value="None"/>  |

**5- Administrative constraints**

List any difficulties encountered

**6- Student evaluation of the course:**

List any criticisms

Response of course team

**7- Comments from external evaluator(s):      Response of course team**

Updated the references

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016– 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:**      Dr. Amira Mostafa

**Signature:**

**Date:**                      August 2017

## **ARC 310 Environment Control**

### **Annual Course Report**

#### **Academic year 2015-2016**

#### **A- Basic Information**

- 1- Title and code : ARC 310 Environment Control
- 2- Program(s) on which this course is given:  
 Architecture Engineering and Building Technology
- 3- Year/Level of program: Sophomore -Level 3 - 5th Semester
- 4- Unit hours

|                        |                    |                    |                     |                         |
|------------------------|--------------------|--------------------|---------------------|-------------------------|
| <b>Credit Hours: 2</b> | <b>Lectures: 2</b> | <b>Tutorial: -</b> | <b>Practical: -</b> | <b>Pre-requisite: -</b> |
|------------------------|--------------------|--------------------|---------------------|-------------------------|

5-Names of lecturers contributing to the delivery of the course

Dr. Heba Mahrous

6-Course coordinator: Dr. Heba Mahrous

7-External evaluator: None

#### **B- Statistical Information**

No. of students attending the course (SPRING) :      No. 423      % 100

#### **Results:**

|               | No. | %     |
|---------------|-----|-------|
| <b>Passed</b> | 397 | 93.85 |
| <b>Failed</b> | 26  | 6.15  |

#### **Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 7           | 1.65  |
| A     | 17          | 4.02  |
| A-    | 34          | 8.03  |
| B+    | 41          | 9.69  |
| B     | 61          | 14.42 |
| C+    | 63          | 14.89 |
| C     | 67          | 15.83 |
| D+    | 56          | 13.23 |
| D     | 31          | 7.3   |
| D-    | 20          | 4.7   |



|   |    |      |
|---|----|------|
| F | 26 | 6.15 |
|---|----|------|

No. of students attending the course (SUMMER) : No. 37 % 100

**Results:**

|               | No. | %   |
|---------------|-----|-----|
| <b>Passed</b> | 37  | 100 |
| <b>Failed</b> | 0   | 0   |

**Grading of successful students**

| Grade | Student No. | %    |
|-------|-------------|------|
| A+    | 1           | 2.7  |
| A-    | 1           | 2.7  |
| B+    | 2           | 5.4  |
| B     | 10          | 27.0 |
| C+    | 6           | 16.2 |
| C     | 7           | 18.9 |
| D+    | 7           | 18.9 |
| D     | 1           | 2.7  |
| D-    | 2           | 5.4  |

**C- Professional Information**

**1 - Course teaching**

| Topic   | Lecture hours | Tutorial hours | Practical hours |
|---|---------------|----------------|-----------------|
| 1. Introduction –Environment and its physical aspects – climatic regions and levels of studying | 2             |                |                 |
| 2. Climatic Elements affecting design process   | 2             |                |                 |
| 3. Solar Radiation and its properties   | 2             |                |                 |
| 4. Design of sun breakers   | 2             |                |                 |
| 5. Heat and thermal behavior of the building  | 2             |                |                 |
| 6. wind and air movement  | 2             |                |                 |

|   |           |  |  |
|---|-----------|--|--|
| 7. Mid-Term Exam  | 2         |  |  |
| 8. basics of natural ventilation Heat performance of the building                               | 2         |  |  |
| 9. Elements of human comfort  | 2         |  |  |
| 10. Components of day lighting Day lighting design tools  | 2         |  |  |
| 11. Research presentation & Discussion  | 2         |  |  |
| 12. Introduction –Environment and its physical aspects – climatic regions and levels of studing | 2         |  |  |
| 13. Climatic Elements affecting design process  | 2         |  |  |
| 14. Solar Radiation and its properties  | 2         |  |  |
| 15. Design of sun breakers Heat and thermal behavior of the building                            | 2         |  |  |
| <b>Total hours</b>  | <b>30</b> |  |  |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail

## 2- Teaching and learning methods:

Lectures:

Practical training/ laborat Site Visits

Seminar/Workshop: Weekly

Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

### 3- Student assessment:

| Method of assessment         | Percentage of total |
|------------------------------|---------------------|
| Final examination            | 70 %                |
| Practical/laboratory work    | ---                 |
| Other assignments/class work | ---                 |
| Other assignments/researches | 20%                 |
| Mid-Term Exam                | 10%                 |
| <b>Total</b>                 | <b>100 %</b>        |

Members of examination committee: Dr. Reham Mostafa

Role of external evaluator None

### 4- Facilities and teaching materials:

|                         |       |
|-------------------------|-------|
| Totally adequate        | .Yes. |
| Adequate to some extent | ..... |
| Inadequate              | ..... |
| List any inadequacies   | None  |

### 5- Administrative constraints

List any difficulties encountered

None

### 6- Student evaluation of the course:

List any criticisms

تقليل مسائل الواجب  
الرسومات غير واضحة

Response of course team

مراعاة عدد المسائل

### 7- Comments from external evaluator(s):

Review professional and practical skills

Response of course team

All skills had been updated and updated references

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016– 2017**

| Actions required   | Completion date | Person responsible |
|--|-----------------|--------------------|
| عمل مجموعات بحثية اكثر للابحاث و<br>ليس فردية لتسهيل مرحلة التصحيح |                 |                    |

**Course coordinator:** Dr. Heba Mahrous

**Signature:**

**Date:** August 2017

***ARC 315 Foundations***  
***Annual Course Report***  
**Academic year 2016-2017**

**A- Basic Information**

- 1- Title and code : ARC 315 Foundations
- 2- Program(s) on which this course is given:  
Architecture Engineering and Building Technology
- 3- Year/Level of program: Sophomore -Level 3 - 5th Semester
- 4- Unit hours

|                 |             |            |              |                  |
|-----------------|-------------|------------|--------------|------------------|
| Credit Hours: 2 | Lectures: 2 | Tutorial:- | Practical: - | Pre-requisite: - |
|-----------------|-------------|------------|--------------|------------------|

5-Names of lecturers contributing to the delivery of the course

Prof. Dr. Adham Elalfy

6-Course coordinator: Prof. Dr. Adham Elalfy

7-External evaluator: None

**B- Statistical Information**

No. of students attending the course (SPRING) : No.  %

**Results:**

|        | No. | %     |
|--------|-----|-------|
| Passed | 381 | 99.74 |
| Failed | 1   | 0.26  |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 20          | 5.23  |
| A     | 74          | 19.37 |
| A-    | 103         | 26.96 |
| B+    | 86          | 22.51 |
| B     | 51          | 13.35 |
| C+    | 30          | 7.85  |
| C     | 7           | 1.83  |
| D+    | 6           | 1.57  |
| D-    | 4           | 1.04  |

|   |   |      |
|---|---|------|
| F | 1 | 0.26 |
|---|---|------|

No. of students attending the course (SUMMER) : No. 13 % 100

**Results:**

|               | No. | %   |
|---------------|-----|-----|
| <b>Passed</b> | 13  | 100 |
| <b>Failed</b> | 0   | 0   |

**Grading of successful students**

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 2           | 15.38  |
| A     | 3           | 23.077 |
| A-    | 3           | 23.077 |
| B+    | 3           | 23.077 |
| B     | 1           | 7.69   |
| C     | 1           | 7.69   |

**C- Professional Information**

**1 – Course teaching**

|   | Topic                            | Lecture hours | Tutorial hours | Practical hours |
|---|----------------------------------|---------------|----------------|-----------------|
| 1 | • Introduction to Soil Mechanics | 2             |                |                 |
| 2 | • Soil Exploration               | 2             |                |                 |
| 3 | • Soil classification            | 2             |                |                 |
| 4 | • Physical properties of soil    | 2             |                |                 |
| 5 | • Mechanical properties          | 2             |                |                 |

|    |  |           |  |  |
|----|--|-----------|--|--|
| 6  | • Active soil pressure                                     | 2         |  |  |
| 7  | • Mid-Term Exam  | 2         |  |  |
| 8  | • Bearing Capacity of the types of soil Compaction of soil | 2         |  |  |
| 9  | • Foundation introduction                                  | 2         |  |  |
| 10 | • Design of isolated square footing                        | 2         |  |  |
| 11 | • Design of isolated rectangular footing                   | 2         |  |  |
| 12 | • Design of combined footing                               | 2         |  |  |
| 13 | • Design of raft foundation                                | 2         |  |  |
| 14 | • Deep foundation  | 2         |  |  |
| 15 | • Deep foundation  | 2         |  |  |
|    | <b>Total hours</b>   | <b>30</b> |  |  |

**Topics taught as a percentage of the content specified:**

>90 %  70-90 % <70%

**Reasons in detail for not teaching any topic** None

**If any topics were taught which are not specified, give reasons in detail**

**2- Teaching and learning methods:**

**Lectures:**

**Practical training/ laborat**

**Seminar/Workshop:**

**Class activity:**

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

### 3- Student assessment:

| Method of assessment         | Percentage of total               |
|------------------------------|-----------------------------------|
| Final examination            | <input type="text" value="70 %"/> |
| Practical/laboratory work    | <input type="text" value="----"/> |
| Other assignments/class work | <input type="text" value="----"/> |
| Other assignments/researches | <input type="text" value="20%"/>  |
| Mid-Term Exam                | <input type="text" value="10%"/>  |
| Total                        | 100 %                             |

Members of examination committee: Prof. Dr. Adham Elalfy

Role of external evaluator

### 4- Facilities and teaching materials:

|                         |                                    |
|-------------------------|------------------------------------|
| Totally adequate        | <input type="text" value=".Yes."/> |
| Adequate to some extent | <input type="text" value="....."/> |
| Inadequate              | <input type="text" value="....."/> |
| List any inadequacies   | <input type="text" value="None"/>  |

### 5- Administrative constraints

List any difficulties encountered

### 6- Student evaluation of the course:

List any criticisms

Response of course team



**7- Comments from external evaluator(s):      Response of course team**

None

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016– 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:**      Prof. Dr. Adham Elalfy

**Signature:**

**Date:**                      August 2017

## ***ARC 313 Computer Applications 2***

### ***Annual Course Report***

#### **Academic year 2016-2017**

#### **A- Basic Information**

**3- Title and code : ARC 313 Computer Applications 2**

**4- Program(s) on which this course is given:**

Architecture Engineering and Building Technology

**3- Year/Level of program:** Sophomore -Level 3 - 5th Semester

**4- Unit hours**

|                        |                    |                   |                     |                                   |
|------------------------|--------------------|-------------------|---------------------|-----------------------------------|
| <b>Credit Hours: 4</b> | <b>Lectures: 2</b> | <b>Tutorial:3</b> | <b>Practical: 2</b> | <b>Pre-requisite:<br/>ARC 214</b> |
|------------------------|--------------------|-------------------|---------------------|-----------------------------------|

**5-Names of lecturers contributing to the delivery of the course**

Dr. Hossam Mohamed Abd el Aziz

**6-Course coordinator:** Dr. Hosam Mohamed Abd el Aziz

**7-External evaluator:** None

#### **B- Statistical Information**

**No. of students attending the course (FALL) : No. 35 % 100**

**Results:**

|               | <b>No.</b> | <b>%</b> |
|---------------|------------|----------|
| <b>Passed</b> | 30         | 85.7     |
| <b>Failed</b> | 5          | 14.28    |

**Grading of successful students**

| <b>Grade</b> | <b>Student No.</b> | <b>%</b> |
|--------------|--------------------|----------|
| A+           | 1                  | 2.85     |
| A            | 2                  | 5.7      |
| A-           | 5                  | 14.28    |
| B+           | 2                  | 5.7      |
| B            | 2                  | 5.7      |
| C+           | 1                  | 2.85     |
| C            | 5                  | 14.28    |
| D+           | 5                  | 14.28    |

|    |   |       |
|----|---|-------|
| D  | 5 | 14.28 |
| D- | 2 | 5.7   |
| F  | 5 | 14.28 |

No. of students attending the course (SPRING) : No. 373 % 100

**Results:**

|               | No. | %    |
|---------------|-----|------|
| <b>Passed</b> | 365 | 97   |
| <b>Failed</b> | 8   | 2.14 |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 32          | 8.58  |
| A     | 39          | 10.45 |
| A-    | 62          | 16.6  |
| B+    | 60          | 16.08 |
| B     | 60          | 16.08 |
| C+    | 45          | 12.06 |
| C     | 29          | 7.77  |
| D+    | 20          | 5.36  |
| D     | 11          | 2.9   |
| D-    | 7           | 1.87  |
| F     | 8           | 2.14  |

**C- Professional Information**

**1 – Course teaching**

3 – Contents

| Topic                                | Lecture hours | Tutorial hours | Practical hours |
|--------------------------------------|---------------|----------------|-----------------|
| 1. Introduction                      | 2             | 3              | 2               |
| 2. Accessing MAXScript               | 2             | 3              | 2               |
| 3. Locating Information in Help File | 2             | 3              | 2               |

|   |           |           |           |
|---|-----------|-----------|-----------|
| 4. 2d modeling                                  | 2         | 3         | 2         |
| 5. Modeling & modifying                         | 2         | 3         | 2         |
| 6. MAXScript syntax and terminology             | 2         | 3         | 2         |
| 7. Mid – term                                   | 2         | 3         | 2         |
| 8. General advanced topic                       | 2         | 3         | 2         |
| 9. Practical questions                          | 2         | 3         | 2         |
| 10. Lighting & background                       | 2         | 3         | 2         |
| 11. Materials                                   | 2         | 3         | 2         |
| 12. Materials                                   | 2         | 3         | 2         |
| 13. MAXScript tools and interaction with 3D Max | 2         | 3         | 2         |
| 14. Camera & view ports                         | 2         | 3         | 2         |
| 15. Modifiers                                   | 2         | 3         | 2         |
| <b>Total hours</b>                              | <b>30</b> | <b>45</b> | <b>30</b> |

**Topics taught as a percentage of the content specified:**

>90 %  70-90 % <70%

**Reasons in detail for not teaching any topic** None

**If any topics were taught which are not specified, give reasons in detail**

**2- Teaching and learning methods:**

**Lectures:**

**Practical training/ laborat**

**Seminar/Workshop:**

**Class activity:**

**Case Study:**

**Other assignments/homework:**

If teaching and learning methods were used other than those specified, list and give reasons:

**3- Student assessment:**

| Method of assessment         | Percentage of total               |
|------------------------------|-----------------------------------|
| Final examination            | <input type="text" value="40 %"/> |
| Practical/laboratory work    | <input type="text" value="20%"/>  |
| Other assignments/class work | <input type="text" value="---"/>  |
| Other assignments/researches | <input type="text" value="30%"/>  |
| Mid-Term Exam                | <input type="text" value="10%"/>  |
| <b>Total</b>                 | <b>100 %</b>                      |

Members of examination committee: Dr. Hosam Mohamed Abd el Aziz

Role of external evaluator

**4- Facilities and teaching materials:**

|                         |                                    |
|-------------------------|------------------------------------|
| Totally adequate        | <input type="text" value=".Yes."/> |
| Adequate to some extent | <input type="text" value="....."/> |
| Inadequate              | <input type="text" value="....."/> |
| List any inadequacies   | <input type="text" value="None"/>  |

**5- Administrative constraints**

List any difficulties encountered

**6- Student evaluation of the course:**

List any criticisms

Response of course team

**7- Comments from external evaluator(s):**

Response of course team

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016– 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:** Dr. Hosam Mohamed Abd el Aziz

**Signature:**

**Date:** August 2017

Senior 1

Third year Architecture  
Level 4

| S  | Course  |   |
|----|---------|---|
|    | Code    | Title   |
| 1  | ARC 421 | Architectural Design 5                                    |
| 2  | ARC 423 | Housing & City Planning 1                                 |
| 3  | ARC 425 | Theories of Architecture and Arts (3)                     |
| 4  | ARC 410 | Technical Installations and Plumbing Engineering 1        |
| 5  | ARC 412 | Working Drawing & Construction Methods 1                  |
| 6  | ARC 422 | Architectural Design 6                                    |
| 7  | ARC 424 | Housing & City Planning 2                                 |
| 8  | ARC 440 | History of Architecture and Arts (3)                      |
| 9  | ARC 411 | Technical Installations and Plumbing Engineering – B      |
| 10 | ARC 413 | Working Drawing & Construction Methods 2                  |
| 11 | ARC 430 | Elective course (Housing in developing countries)         |
| 12 | ARC 451 | Elective course (Architecture, Civilization and Heritage) |
| 13 | ARC 450 | Elective course (Project management)                      |

**(ARC421) Architectural Design 5**  
**Annual Course Report**  
**Academic year 2016-2017**

**A- Basic Information**

**1- Title and code:** ARC 421: Architectural Design 5

**2- Program(s) on which this course is given:** Architecture Engineering and Building Technology Department

**3- Year/Level of program:** Senior 1, Level 4, 7<sup>th</sup> Semester

**4- Unit hours**

**Credit Hours: 3                      Lectures: 1                      Tutorial/Exercise:6                      Practical: -**

**Pre-requisite:** ARC 323

**5- Names of lecturers contributing to the delivery of the course**

Dr. Moatz Beallah

Course coordinator: Dr. Moatz Beallah

External evaluator:              Non

**B- Statistical Information**

**No. of students attending the course (FALL) :**      No.  %

**Results:**

|               | No. | %     |
|---------------|-----|-------|
| <b>Passed</b> | 354 | 94.65 |
| <b>Failed</b> | 20  | 5.34  |

**Grading of successful students**

| Grade | Student No. | %    |
|-------|-------------|------|
| A+    | 2           | 0.53 |
| A-    | 8           | 2.14 |
| B+    | 11          | 2.94 |
| B     | 41          | 10.9 |
| C+    | 52          | 13.9 |
| C     | 78          | 20.5 |



|    |    |       |
|----|----|-------|
| D+ | 56 | 14.97 |
| D  | 51 | 13.6  |
| D- | 55 | 14.7  |
| F  | 20 | 5.34  |

## C- Professional Information

### 1 – Course teaching

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1- Introduction to the design 1 <sup>st</sup> project (A type of a project with a complex and multipurpose functions and spaces)   | 1             | 6              |                 |
| 2- Research: relevant architectural data and similar projects either International or local projects.  | 1             | 6              |                 |
| 3- Research: Data gathering, site analysis, climatic studies, zoning and analysis of similar projects  | 1             | 6              |                 |
| 4- Sketch 1 (Schematic / conceptual design)  | 1             | 6              |                 |
| 5- Sketch 2 (focuses on designing and formulating project plans)   | 1             | 6              |                 |
| 6- Sketch 3 (Design development for plans) + Sketch 4 (focuses on designing and formulating project elevations)  | 1             | 6              |                 |
| 7- Mid-Term Exam   | 1             | 6              |                 |
| 8- Sketch 5 (focuses on preparing project sections)  |               | 6              |                 |
| 9- Semi final sketch (Design Development for Layout, plans, elevations, sections and 3d models)  | 1             | 6              |                 |
| 10- Final sketch (Presenting Layout, plans, elevations, sections and 3d models for approval). Presentation and rendering sessions  |               | 6              |                 |
| 11- Final Submission and Project Discussion  | 1             | 6              |                 |
| 12- Introduction to 2 <sup>nd</sup> project(A type of a building of symbolic and structural implications)  | 1             | 6              |                 |
| 13- Sketch 1 (Schematic / conceptual design)   | 1             | 6              |                 |
| 14- Sketch 2 (Presenting proposed layout, plans, elevations, sections and 3d models) Final Submission and Project Discussion   | 1             | 6              |                 |
| 15- Introduction to the design 1 <sup>st</sup> project (A type of a project with a complex and multipurpose functions and spaces) Research: relevant architectural data and similar projects either International or local projects. | 1             | 6              |                 |
| <b>Total hours</b>   | <b>15</b>     | <b>90</b>      |                 |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic

If any topics were taught which are not specified, give reasons in detail

**2- Teaching and learning methods:**

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Researches:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

**3- Student assessment:**

| Method of assessment | Percentage of total               |
|----------------------|-----------------------------------|
| Written examination  | <input type="text" value="40 %"/> |
| Oral examination     | ----                              |
| Projects             | <input type="text" value="24 %"/> |
| Periodical sketches  | <input type="text" value="24 %"/> |
| Mid-Term Exam        | <input type="text" value="12 %"/> |
| <b>Total</b>         | <b>100 %</b>                      |

Members of examination committee Dr. Reham Momtaz

Role of external evaluator

**4- Facilities and teaching materials:**

- Totally adequate  Yes
- Adequate to some extent  .....
- Inadequate  .....
- List any inadequacies  Non

**5- Administrative constraints**

Non.

**6- Student evaluation of the course:**

**Response of course team**

- More references and books are to be provided.

Recommending a list of books and relevant references to the students.

**7- Comments from external evaluator(s):**

**Response of course team**

The diversity of teaching methods

separation of lecturers and exercises

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

| Actions required   | Completion   |
|--|--|
| <p>Four projects have to be identified through a clear program and given design determinants</p> <p>A clear arrangement of student groups has to be identified and declared to all the students from the beginning. Each group is likely to have a different design determinants and problem than the other, and will be directed by one of the teaching assistants.</p> | <p>Completed in the 1st &amp; 8th week of the 1st and 2nd semester subsequently</p> <p>Completed in the 1st week of the semester</p> |

**Action State whether or not completed and give reasons for any non-completion:**

Completed

9- Action plan for academic year 2016– 2017

| Actions required   | Completion date   | Person responsible        |
|--|---|---------------------------|
| Four projects have to be identified through a clear program and given design determinants  | 1st & 8th week of the 1st and 2nd semester subsequently | Course coordinator        |
| A clear arrangement of student groups has to be identified and declared to all the students from the beginning. Each group is likely to have a different design determinants and problem than the other, and will be directed by one of the teaching assistants. | 1st week of the semester                                | Senior teaching assistant |
| Arranging a year exhibition for students work in order to induce a self learning process and competition among the students  | 10 <sup>th</sup> week of the 2 <sup>nd</sup> semester   | Teaching assistants       |

**Course coordinator:** Dr. El Moataz Bellah

**Signature:**

**Date:** August 2017

**ARC 422: Architectural Design 6**  
**Annual Course Report**  
**Academic year 2016-2017**

**A- Basic Information**

**1- Title and code:** ARC 422: Architectural Design 6

**2- Program(s) on which this course is given:** Architecture Engineering and Building Technology Department

**3- Year/Level of program:** Senior 1, Level 4, 8<sup>th</sup> Semester

**4- Unit hours**

**Credit Hours:** 3

**Lectures:** 1

**Tutorial/Exercise:** 6

**Practical:** -

**Pre-requisite:** ARC 421

**5- Names of lecturers contributing to the delivery of the course**

Course coordinator: Dr. Moatz Beallah

External evaluator: Non

**B- Statistical Information**

**No. of students attending the course (spring) :** No. 312 % 100

**Results:**

|               | No. | %     |
|---------------|-----|-------|
| <b>Passed</b> | 288 | 92.30 |
| <b>Failed</b> | 24  | 7.69  |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| A     | 1           | 0.32  |
| A-    | 2           | 0.64  |
| B+    | 7           | 2.24  |
| B     | 22          | 7.05  |
| C+    | 41          | 13.46 |
| C     | 46          | 14.74 |
| D+    | 59          | 18.91 |
| D     | 57          | 18.26 |

|    |    |       |
|----|----|-------|
| D- | 52 | 16.66 |
| F  | 24 | 7.69  |

No. of students attending the course (summer) : No. 79 %100

**Results:**

|        | No. | %     |
|--------|-----|-------|
| Passed | 78  | 98.73 |
| Failed | 1   | 1.26  |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| B+    | 1           | 1.26  |
| B     | 1           | 1.26  |
| C+    | 10          | 12.65 |
| C     | 19          | 24.05 |
| D+    | 25          | 31.64 |
| D     | 14          | 17.72 |
| D-    | 8           | 10.12 |
| F     | 1           | 1.26  |

## C- Professional Information

### 1 – Course teaching

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. Introduction to 3 <sup>rd</sup> project (A Multi-story Residential and commercial Building)             | 1             | 6              |                 |
| 2. Research: relevant architectural data and similar projects either International or local projects.      | 1             | 6              |                 |
| 3. Sketch 1 (Schematic / conceptual design)  | 1             | 6              |                 |
| 4. Sketch 2 (focuses on designing and formulating project plans)   | 1             | 6              |                 |
| 5. Sketch 3 (Design development for plans)   | 1             | 6              |                 |
| 6. Sketch 4 (focuses on designing and formulating project elevations and main sections)                    | 1             | 6              |                 |
| 7. Mid-Term Exam   |               |                |                 |
| 8. Sketch 5 - Semi final sketch (Design Development for Layout, plans, elevations, sections and 3d models) | 1             | 6              |                 |

|   |           |           |  |
|---|-----------|-----------|--|
| 9. Sketch 6 - Final sketch (Presenting Layout, plans, elevations, sections and 3d models for approval). Presentation and rendering sessions | 1         | 6         |  |
| 10. Final Submission and Project Discussion   | 1         | 6         |  |
| 11. Introduction to 4 <sup>th</sup> project (A type of a project with both function and structural implications)                            | 1         | 6         |  |
| 12. Research: Data gathering, site analysis, climatic studies, zoning and analysis of similar projects                                      | 1         | 6         |  |
| 13. Sketch 1 (Schematic / conceptual design)  | 1         | 6         |  |
| 14. Sketch 2 (Design development for plans)   | 1         | 6         |  |
| 15. Sketch 3 (Presenting proposed layout, plans, elevations, sections and 3d models)  | 1         | 6         |  |
| <b>Total hours</b>  | <b>30</b> | <b>90</b> |  |

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%

Reasons in detail for not teaching any topic  Non

If any topics were taught which are not specified, give reasons in detail  Non

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Researches:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

**3- Student assessment:**

| Method of assessment | Percentage of total |
|----------------------|---------------------|
| Written examination  | 40 %                |
| Oral examination     | ----                |
| Projects             | 24 %                |
| Periodical sketches  | 24 %                |
| Mid-Term Exam        | 12 %                |
| <b>Total</b>         | <b>100 %</b>        |

**Members of examination committee** Dr. Reham Momtaz

**Role of external evaluator** Non

**4- Facilities and teaching materials:**

|                         |       |
|-------------------------|-------|
| Totally adequate        | Yes   |
| Adequate to some extent | ..... |
| Inadequate              | ..... |
| List any inadequacies   | Non   |

**5- Administrative constraints**

Non.

**6- Student evaluation of the course:**

- More references and books are to be provided.

**Response of course team**

Recommending a list of books and relevant references to the students.

**7- Comments from external evaluator(s):**

The diversity of teaching methods

**Response of course team**

separation of lecturers and exercises

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

| Actions required | Completion |
|------------------|------------|
|                  |            |



|  |  |
|--|--|
| <p>Four projects have to be identified through a clear program and given design determinants</p> <p>A clear arrangement of student groups has to be identified and declared to all the students from the beginning. Each group is likely to have a different design determinants and problem than the other, and will be directed by one of the teaching assistants.</p> | <p>Completed in the 1st &amp; 8th week of the 1st and 2nd semester subsequently</p> <p>Completed in the 1st week of the semester</p> |
|--|--|

**Action State whether or not completed and give reasons for any non-completion:**

Completed

**9- Action plan for academic year 2016– 2017**

| Actions required   | Completion date   | Person responsible        |
|--|---|---------------------------|
| Four projects have to be identified through a clear program and given design determinants  | 1st & 8th week of the 1st and 2nd semester subsequently | Course coordinator        |
| A clear arrangement of student groups has to be identified and declared to all the students from the beginning. Each group is likely to have a different design determinants and problem than the other, and will be directed by one of the teaching assistants. | 1st week of the semester                                | Senior teaching assistant |
| Arranging a year exhibition for students work in order to induce a self learning process and competition among the students  | 10 <sup>th</sup> week of the 2 <sup>nd</sup> semester   | Teaching assistants       |

**Course coordinator:** Dr. El Moataz Bellah

**Signature:**

**Date:** August 2017

## ARC 425: Theories of Architecture and Arts (3)

### Annual Course Report Academic year 2016-2017

#### A- Basic Information

1- Title and code: ARC 425: Theories of Architecture and Arts (3)

2- Program(s) on which this course is given: Architecture Engineering and Building Technology Department

3- Year/Level of program: Senior 1, Level 4, 7<sup>th</sup> Semester

4- Unit hours

Credit Hours: 2

Lectures: 2

Tutorial/Exercise:-

Practical:-

Pre-requisite: ARC 326

5- Names of lecturers contributing to the delivery of the course

Dr Faten Salah

#### B- Statistical Information

No. of students attending the course (FALL) : No. 370 % 100

Result:

|        | No. | %    |
|--------|-----|------|
| Passed | 367 | 99.2 |
| Failed | 3   | 0.8  |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 3           | 0.08  |
| A     | 20          | 5.4   |
| A-    | 48          | 12.9  |
| B+    | 84          | 22.7  |
| B     | 68          | 18.3  |
| C+    | 54          | 14.59 |
| C     | 45          | 12.16 |
| D+    | 19          | 5.13  |
| D     | 18          | 4.86  |
| D-    | 9           | 2.43  |

|   |   |      |
|---|---|------|
| F | 3 | 0.08 |
|---|---|------|

## C- Professional Information

### 1 – Course teaching

| Topic   | Lecture hours | Tutorial hours | Practical hours |
|---|---------------|----------------|-----------------|
| 1.General introduction for the course   | 2             |                |                 |
| 2.Architectural characteristics of Renaissance Era Analyzing projects of Architects.  | 2             |                |                 |
| 3.Architectural characteristics of Renaissance Era Analyzing projects of Architects.  | 2             |                |                 |
| 4.Architectural characteristics of BAROQUE, Analyzing projects of Architects  | 2             |                |                 |
| 5.Architectural characteristics of The Age of Enlightenment   | 2             |                |                 |
| 6.Social, technical and urban transformation in19 <sup>th</sup> century The influences of the industrial revolution on art and architecture in 19 <sup>th</sup> century | 2             |                |                 |
| 7.Mid term exam   | 2             |                |                 |
| 8.Architectural trends and schools in 19 <sup>th</sup> century  | 2             |                |                 |
| 9.Architectural trends and schools in 19 <sup>th</sup> century  | 2             |                |                 |
| 10.Architectural trends and schools in 19 <sup>th</sup> century   | 2             |                |                 |
| 11.The impact of new materials on architecture  | 2             |                |                 |
| 12.Architecture of steel and reinforced concrete in19 <sup>th</sup> century   | 2             |                |                 |
| 13.Architecture of steel and reinforced concrete in19 <sup>th</sup> century   | 2             |                |                 |
| 14.Digital Presentation of the Final Researches:<br>(Jury) : <i>Staff's Criticism / Evaluation for each Student</i>   | 2             |                |                 |
| <b>Final Revision</b>   | 2             |                |                 |
| <b>Total hours</b>  | <b>30</b>     |                |                 |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

**2- Teaching and learning methods:**

Lectures:

Practical training:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

site visits for the most important Renaissance and baroque buildings in Cairo "Downtown, Heliopolis"

**3- Student assessment:**

| Method of assessment | Percentage of total               |
|----------------------|-----------------------------------|
| Final examination    | <input type="text" value="70%"/>  |
| Researches           | <input type="text" value="20%"/>  |
| Mid-Term Exam        | <input type="text" value="10 %"/> |
| Total                | 100 %                             |

**Members of examination committee**

Dr. Passaint Massoud- Dr Reham Ibrahim momtaz



|  |                          |                     |
|--|--------------------------|---------------------|
| 1. Increase teaching hours of history of baroque period than history of Renaissance. | 1 <sup>st</sup> semester | Dr Passaint Massoud |
| 2. Site Visit For Buildings designed according to Renaissance period in Cairo        | 1 <sup>st</sup> semester | Dr Passaint Massoud |

**Course coordinator:** Dr Faten Salah

**Signature:**

**Date:** August 2017

## ARC 440: History of Architecture and Arts (3)

### Annual Course Report

### Academic year 2016-2017

#### A- Basic Information

1- Title and code: ARC 440: History of Architecture and Arts (3)

2- Program(s) on which this course is given: Architecture Engineering and Building Technology

3- Year/Level of program: Senior 1, Level 4, 8<sup>th</sup> Semester(3)

4- Unit hours

Credit Hours:2

Lectures: 2

Tutorial/Exercise: -

Practical: -

Pre-requisite :ARC 341

5- Names of lecturers contributing to the delivery of the course

Dr. Mona El.Basyoni- Dr. Anaheed Waked

Course coordinator: Dr. Mona El.Basyoni

External evaluator: -

#### B- Statistical Information

No. of students attending the course (spring) : No. 371 % 100

Result:

|        | No. | %     |
|--------|-----|-------|
| Passed | 368 | 99.19 |
| Failed | 3   | 0.80  |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 12          | 3.23  |
| A     | 48          | 12.93 |
| A-    | 64          | 17.25 |
| B+    | 66          | 17.79 |
| B     | 60          | 16.17 |
| C+    | 42          | 11.32 |
| C     | 45          | 12.12 |
| D+    | 9           | 2.42  |

|    |    |      |
|----|----|------|
| D  | 15 | 4.04 |
| D- | 7  | 1.88 |
| F  | 3  | 0.80 |

### C- Professional Information

#### 1 – Course teaching

|    | Topic   | Lecture hours | Tutorial hours | Practical hours |
|----|---|---------------|----------------|-----------------|
| 1  | Urban traditions in the Islamic world.                  | 2             | -              | -               |
| 2  | Caliph. Periods.  | 2             | -              | -               |
| 3  | Tulane's period.  | 2             | -              | -               |
| 4  | Building concepts in Islamic Arch.                      | 2             | -              | -               |
| 5  | Fatimid caiphs' period.                                 | 2             | -              | -               |
| 6  | Fatimid caiphs' period. (Site Visit) / Ayyubids period. | 2             | -              | -               |
| 7  | Mid-Term Exam   | 2             | -              | -               |
| 8  | Home in Islamic Arch.                                   | 2             | -              | -               |
| 9  | Mamluks (Bahri and Circassian) period.                  | 2             | -              | -               |
| 10 | Mamluks (Bahri and Circassian) period.                  | 2             | -              | -               |
| 11 | Mamluks (Bahri and Circassian) period.(Site Visit)      | 2             | -              | -               |
| 12 | Ottoman (Turks) period.                                 | 2             | -              | -               |
| 13 | Napolic Invasion (Mohamed Ali) period.                  | 2             | -              | -               |
| 14 | Research  | 2             | -              | -               |
| 15 | Individual presentation.                                | 2             | -              | -               |
|    | <b>Total hours</b>                                      | <b>30</b>     | -              | -               |

Topics taught as a percentage of the content specified:

>90 %  100 70-90 %  <70%

Reasons in detail for not teaching any topic None



If any topics were taught which are not specified, give reasons in detail None

**2- Teaching and learning methods:**

Lectures:

Practical training:

Seminar/Workshop:

Class activity:----.

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:  
 site visits for the most important Islamic buildings in Cairo

**3- Student assessment:**

| Method of assessment | Percentage of total               |
|----------------------|-----------------------------------|
| Final examination    | <input type="text" value="70%"/>  |
| Researches           | <input type="text" value="20%"/>  |
| Mid-Term Exam        | <input type="text" value="10 %"/> |
| <b>Total</b>         | <b>100 %</b>                      |

**Members of examination committee**

Dr. Mona El.Basyoni

Role of external evaluator

**4- Facilities and teaching materials:**

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies: None

**5- Administrative constraints**

List any difficulties encountered

➤ none

**6- Student evaluation of the course:**

**Response of course team**

**List any criticisms**

- |     |   |  |
|-----|---|--|
| (a) | It is recommended to increase the teaching hours of the Islamic course than the history of art course | It will be.  |
| (b) | We prefer taking the lectures in the site of the Islamic period taught                                | The site visits are twice in the semester, I shall try to increase them. |

**7- Comments from external evaluator(s):**

**Response of course team**

Non

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

| Actions required | Planned Completion date | Accomplishment |
|------------------|-------------------------|----------------|
| none             | none                    | none           |

**Action State whether or not completed and give reasons for any non-completion** Non

**9- Action plan for academic year 2016– 2017**

| Actions required  | Completion date          | Person responsible   |
|---|--------------------------|----------------------|
| 1. Increase teaching hours of history of Islamic period than history of art | 2 <sup>nd</sup> semester | Dr. Mona El. Basyoni |

**Course coordinator:** Dr. Mona El. Basyoni

**Signature:**

**Date:** August 2017

## ARC 412 Working drawing and Construction Methods 1

### Annual Course Report

### Academic year 2016-2017

#### A- Basic Information

1- Title and code :(ARC412) Working drawing and Construction Methods 1

2- Program(s) on which this course is given: Architectural Engineering and Building Technology

3- Year/Level of program: Senior 1,Level 4, 7<sup>th</sup> Semester

4- Unit hours

Credit Hours: 3

Lectures:2

Tutorial/Exercise: 2

Practical:

Pre-requisite: ARC 312

5- Names of lecturers contributing to the delivery of the course

Course coordinator: Dr. Azza Gamal , Dr. Shima Hassan

External evaluator: Non

#### B- Statistical Information

No. of students attending the course (spring): No.  %

| Results: | No. | %     |
|----------|-----|-------|
| Passed   | 43  | 81.13 |
| Failed   | 10  | 18.86 |

Grading of  
successful  
students:

| Grade | Student No. | %     |
|-------|-------------|-------|
| B+    | 3           | 5.66  |
| B     | 1           | 1.88  |
| C+    | 1           | 1.88  |
| C     | 10          | 18.86 |
| D+    | 11          | 20.75 |
| D-    | 17          | 32.07 |
| F     | 10          | 18.86 |

#### C- Professional Information

1 – Course teaching

| Topic   | Lecture hours | Tutorial hours | Dr.<br>Haitham<br>Samir |
|---|---------------|----------------|-------------------------|
| 1. Introduction to Working Drawing and construction methods   | 2             | 2              |                         |
| 2. An overview of the selected projects and determining the project for each student  | 2             | 2              |                         |
| 3. Floor plans (Ground floor plans)   |               |                |                         |
| 4. Lecture discusses basic information in how to delineate lengths, thicknesses, and character of the outside walls and inside partitions at the particular floor level. It also shows how to mark out the axis, dimensions, widths and locations of doors and windows, and other utility features. | 2             | 2              |                         |
| 5. Typical floor plans  | 2             | 2              |                         |
| 6. Basement plans   | 2             | 2              |                         |
| 7. Roof plans   | 2             | 2              |                         |
| 8. Mid-Term Exam  | 2             | 2              |                         |
| 9. Site plan (Layout)   |               |                |                         |
| 10. Lecture discusses the essential data for laying out the building considering any contours, boundaries, roads, utilities, trees, structures, and any other significant physical features on or near the construction site.   | 2             | 2              |                         |
| 11. Sections  |               |                |                         |
| 12. Lecture discusses how a structure looks when cut vertically by a cutting plane, providing important information about construction systems, heights, levels and materials used.   | 2             | 2              |                         |
| 13. Elevations  |               |                |                         |
| 14. Lecture discusses how to draw the front, rear, and sides of a structure, as they would appear projected on vertical planes in order to give a working idea of the appearance and overall shape and finishes of the structure.   | 2             | 2              |                         |
| 15. Sanitary drawings (1)   | 2             | 2              |                         |
| 16. Water supply systems and plumbing fixture   |               |                |                         |
| 17. Sanitary drawings (2)   | 2             | 2              |                         |
| 18. Sanitary Drainage and sewage disposal systems   |               |                |                         |
| 19. Electrical drawings (1)   | 2             | 2              |                         |
| 20. Electric power and lighting outlets.  |               |                |                         |
| 21. Electrical drawings (2)   | 2             | 2              |                         |
| 22. Electric power and lighting outlets.  |               |                |                         |
| 23. Final Project submission and discussion.  | 2             | 2              |                         |
| <b>Total hours</b>  | <b>30</b>     | <b>30</b>      |                         |

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%

Reasons in detail for not teaching any topic Non

If any topics were taught which are not specified, give reasons in detail Non

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity: Working drawing Exercises.

Researches:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

3- Student assessment:

| Method of assessment      | Percentage of total               |
|---------------------------|-----------------------------------|
| Written examination       | <input type="text" value="40 %"/> |
| Oral examination          | ----                              |
| Project                   | <input type="text" value="24 %"/> |
| Periodical drawing sheets | <input type="text" value="24 %"/> |
| Mid-Term Exam             | <input type="text" value="12 %"/> |
| <b>Total</b>              | <b>100 %</b>                      |

Members of examination committee

Dr. Haitham Samir

Role of external evaluator

Non

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

5- Administrative constraints

Non

**6- Student evaluation of the course:**

**Response of course team**

**List any criticisms**

Copy and paste detail drawings have been appeared among the students giving unfair evaluation.

Student evaluation system is to be central at some point to control this phenomenon

**7- Comments from external evaluator(s):**

**Response of course team**

|   |   |
|---|---|
| Review the targeted learning outcomes with simplification | The learning outcomes have been revised and simplified.                               |
| Review Professional and Practical Skills                  | Professional and Practical skills had been updated<br><br>Updated books and Referenes |

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

| Actions required  | Completion                           |
|---|--------------------------------------|
| Eight different case study projects have to be identified and schematically delineated.   | Done in the 1st week of the semester |
| A time schedule has to be formulated for periodical sketches as well as final project delivery  | Done in the 1st week of the semester |
| A clear arrangement of student groups has to be identified and declared to all the students from the beginning. Each group is likely to have a different project, and will be directed by one of the appointed teaching assistants. | Done in the 1st week of the semester |
| A digital documentation of student's projects is required as a part of the digital library initiated by the department  | Partially completed                  |

**Action State whether or not completed and give reasons for any non-completion:**

Digital documentation has been partially completed due to the time it takes and it is recommended that an administrative person has to join the department for this work.

**9- Action plan for academic year 2016 – 2017**

| Actions required  | Completion date          | Person responsible        |
|---|--------------------------|---------------------------|
| Eight different case study projects have to be identified and schematically delineated.   | 1st week of the semester | Course coordinator        |
| A time schedule has to be formulated for periodical sketches as well as final project delivery  | 1st week of the semester | Course coordinator        |
| A clear arrangement of student groups has to be identified and declared to all the students from the beginning. Each group is likely to have a different project, and will be directed by one of the appointed teaching assistants.                         | 1st week of the semester | Senior teaching assistant |
| More various researches is to be given during the 2nd term for the students beside the weekly drawing sheets to get more acquainted of the new systems, materials relevant to construction methods. And to give more evaluation weight for this researches. |                          | Course coordinator        |
| A digital documentation of student's projects is required as a part of the digital library initiated by the department  | Annually                 | Senior teaching assistant |

**Course coordinator:** Dr. Azza Gamal , Dr. Shima Hassan

**Signature:**

**Date:** August 2017

## ARC 413: Working Drawing and Construction Methods (2)

### Annual Course Report

### Academic year 2016-2017

#### A- Basic Information

- 1- Title and code ARC 413: Working Drawing and Construction Methods (2)
- 2- Program(s) on which this course is given: Architectural Engineering and Building Technology
- 3- Year/Level of program: Senior 1, Level 4, 8<sup>th</sup> Semester
- 4- Unit hours

Credit Hours: 3

Lectures: 2

Tutorial/Exercise: 3

Practical:

Pre-requisite: ARC 412

#### 5- Names of lecturers contributing to the delivery of the course

Course coordinator: Dr. Azza Gamal , Dr. Shima Hassan

External evaluator: Non

#### B- Statistical Information

No. of students attending the course (spring): No.  %

| Results: | No. | %     |
|----------|-----|-------|
| Passed   | 287 | 97.38 |
| Failed   | 8   | 2.71  |

#### Grading of successful students:

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 15          | 5.08  |
| A     | 29          | 9.83  |
| A-    | 30          | 10.16 |
| B+    | 34          | 11.52 |
| B     | 44          | 14.91 |
| C+    | 38          | 12.88 |
| C     | 53          | 17.96 |
| D+    | 23          | 7.79  |
| D     | 12          | 4.06  |
| D-    | 9           | 3.05  |



|   |   |      |
|---|---|------|
| F | 8 | 2.71 |
|---|---|------|

No. of students attending the course (SUMMER): No. **73** % **100**

|                 |            |          |
|-----------------|------------|----------|
| <b>Results:</b> | <b>No.</b> | <b>%</b> |
| Passed          | 70         | 95.89    |
| Failed          | 3          | 4.11     |

Grading of  
successful  
students:

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 1           | 1.37  |
| A-    | 2           | 2.74  |
| B+    | 4           | 5.47  |
| B     | 7           | 9.58  |
| C+    | 5           | 6.84  |
| C     | 14          | 19.17 |
| D+    | 15          | 20.54 |
| D     | 14          | 19.17 |
| D-    | 8           | 10.95 |
| F     | 3           | 4.11  |

### C- Professional Information

#### 1 – Course teaching

|  |   |   |                         |
|--|---|---|-------------------------|
| 1. <b>Stairs, elevators and escalators</b> (an overview of the design, types and requirements)   | 2 | 3 | Dr.<br>Haitham<br>Samir |
| 2. <b>Concrete stairs</b>  | 2 | 3 |                         |
| 3. <b>Steel stairs</b>   | 2 | 3 |                         |
| 4. <b>Special stairs</b>   | 2 | 3 |                         |
| 5. <b>Door types, operation, hardware &amp; finishes.</b>  | 2 | 3 |                         |
| 6. <b>Window types, operation, hardware &amp; finishes. Finish work and flooring</b> (Gypsum plaster and Cement plaster or stucco, Ceramic tiles, Marble, wood, Terrazzo and stone flooring) | 2 | 3 |                         |
| 7. <b>Mid-Term Exam</b>  | 2 | 3 |                         |
| 8. <b>Suspended ceilings</b> (Gypsum borads and tiles, acoustic tiles, aluminium panels and grid systems)  | 2 | 3 |                         |
| 9. <b>Bathroom space, plumbing fixtures and details (</b>  | 2 | 3 |                         |

|  |           |           |
|--|-----------|-----------|
| 10. Cladding (Precast concrete panels, GRC, GRP, GRG, Marble cladding fixation, Masonry veneer, Metal and Aluminium composite sheets cladding) | 2         | 3         |
| 11. Glazed curtain walls and systems (ordinary curtain wall, structural glazing, spider system)  | 2         | 3         |
| 12. Wall sections with different construction materials  | 2         | 3         |
| 13. Skylight details   | 2         | 3         |
| 14. General architectural details  | 2         | 3         |
| 15. Final Project submission and discussion.   | 2         | 3         |
| <b>Total hours</b>   | <b>30</b> | <b>45</b> |

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%

Reasons in detail for not teaching any topic  Non

If any topics were taught which are not specified, give reasons in detail  Non

## 2- Teaching and learning methods:

Lectures:  Classical lecturing using the white board and data show

Practical training/ laboratory:  Non

Seminar/Workshop:  Non

Class activity: Working drawing Exercises.

Researches:  Yes

Other assignments/homework:  Bi-weekly drawing sheets

If teaching and learning methods were used other than those specified, list and give reasons:

Non

## 3- Student assessment:

Method of assessment  Percentage of total

Written examination  40 %

|                           |                                   |
|---------------------------|-----------------------------------|
| Oral examination          | ----                              |
| Project                   | <input type="text" value="24 %"/> |
| Periodical drawing sheets | <input type="text" value="24 %"/> |
| Mid-Term Exam             | <input type="text" value="12 %"/> |
| <b>Total</b>              | <b>100 %</b>                      |

Members of examination committee      Dr. Haitham Samir

Role of external evaluator      Non

**4- Facilities and teaching materials:**

Totally adequate     

Adequate to some extent     

Inadequate     

List any inadequacies     

**5- Administrative constraints**

Non

**6- Student evaluation of the course:      Response of course team**

**List any criticisms**

Copy and paste detail drawings have been appeared among the students giving unfair evaluation.

Student evaluation system is to be central at some point to control this phenomenon

**7- Comments from external evaluator(s):      Response of course team**

|   |   |
|---|---|
| Review the targeted learning outcomes with simplification | The learning outcomes have been revised and simplified.                               |
| Review Professional and Practical Skills                  | Professional and Practical skills had been updated<br><br>Updated books and Referenes |

**8- Course enhancement:**

Progress on actions identified in the previous year's action plan:

| Actions required   | Completion                                  |
|--|---|
| <p>Eight different case study projects have to be identified and schematically delineated.</p>   | <p>Done in the 1st week of the semester</p> |
| <p>A time schedule has to be formulated for periodical sketches as well as final project delivery</p>  | <p>Done in the 1st week of the semester</p> |
| <p>A clear arrangement of student groups has to be identified and declared to all the students from the beginning. Each group is likely to have a different project, and will be directed by one of the appointed teaching assistants.</p> | <p>Done in the 1st week of the semester</p> |
| <p>A digital documentation of student's projects is required as a part of the digital library initiated by the department</p>  | <p>Partially completed</p>                  |

**Action State whether or not completed and give reasons for any non-completion:**

Digital documentation has been partially completed due to the time it takes and it is recommended that an administrative person has to join the department for this work.

**9- Action plan for academic year 2016 – 2017**

| Actions required   | Completion date                 | Person responsible               |
|--|---------------------------------|----------------------------------|
| <p>Eight different case study projects have to be identified and schematically delineated.</p>   | <p>1st week of the semester</p> | <p>Course coordinator</p>        |
| <p>A time schedule has to be formulated for periodical sketches as well as final project delivery</p>  | <p>1st week of the semester</p> | <p>Course coordinator</p>        |
| <p>A clear arrangement of student groups has to be identified and declared to all the students from the beginning. Each group is likely to have a different project, and will be directed by one of the appointed teaching assistants.</p> | <p>1st week of the semester</p> | <p>Senior teaching assistant</p> |
| <p>More various researches is to be given during the 2nd term for the students beside the weekly</p>   |                                 |                                  |

|  |                 |  |
|--|-----------------|--|
| <p>drawing sheets to get more acquainted of the new systems, materials relevant to construction methods. And to give more evaluation weight for this researches.</p> <p>A digital documentation of student's projects is required as a part of the digital library initiated by the department</p> | <p>Annually</p> | <p>Course coordinator</p> <p>Senior teaching assistant</p> |
|--|-----------------|--|

**Course coordinator:** Dr. Azza Gamal , Dr. Shima Hassan

**Signature:**

**Date:** August 2017

## (ARC410) Technical Installation in Buildings1

### Annual Course Report

### Academic year 2016-2017

#### A- Basic Information

1- Title and code:(ARC410) Technical Installation in Buildings1

2- Program(s) on which this course is given: Architecture Engineering and Building Technology Department

3- Year/Level of program: Senior 1,Level 4, 7<sup>th</sup> Semester

4- Unit hours

Credit Hours: 2

Lectures:1

Tutorial/Exercise:3

Practical: -

Pre-requisite ARC 312

5- Names of lecturers contributing to the delivery of the course

Dr. Sayed Abdel- Khaleaa

Course coordinator Dr. Sayed Abdel- Khaleaa

#### B- Statistical Information

No. of students attending the course (FALL) : No. 413 % 100

Result:

|        | No. | %     |
|--------|-----|-------|
| Passed | 410 | 99.27 |
| Failed | 3   | 0.72  |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 23          | 5.56  |
| A     | 66          | 15.98 |
| A-    | 76          | 18.4  |
| B+    | 87          | 21.06 |
| B     | 78          | 18.8  |
| C+    | 37          | 8.95  |
| C     | 18          | 4.35  |
| D+    | 10          | 2.42  |
| D     | 7           | 1.69  |

|    |   |      |
|----|---|------|
| D- | 8 | 1.93 |
| F  | 3 | 0.72 |

### C- Professional Information

#### 1 – Course teaching

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. Principles of light. Principles of heat.                              | 1             | 3              |                 |
| 2. Nature of light. Nature of heat.                                      | 1             | 3              |                 |
| 3. Nature of vision. Thermal load on buildings.                          | 1             | 3              |                 |
| 4. Measurement of lighting. U – values.                                  | 1             | 3              |                 |
| 5. Measurement of lighting. U – values.                                  | 1             | 3              |                 |
| 6. Measurement of lighting. Thermal load upon building envelope.         | 1             | 3              |                 |
| 7. Mid-Term Exam.  | 1             | 3              |                 |
| 8. Artificial lighting. Luminaries. Thermal load upon building envelope. | 1             | 3              |                 |
| 9. Artificial Lighting costs. Heat gain \ loss in buildings.             | 1             | 3              |                 |
| 10. Natural lighting. Heat gain \ loss in buildings.                     | 1             | 3              |                 |
| 11. Natural light sources. Heat gain \ loss in buildings.                | 1             | 3              |                 |
| 12. Daylight factors. Thermal insulation.                                | 1             | 3              |                 |
| 13. Combined lighting. Thermal insulation.                               | 1             | 3              |                 |
| 14. Principles of light. Principles of heat.                             | 1             | 3              |                 |
| 15. Nature of light. Nature of heat.                                     | 1             | 3              |                 |
| <b>Total hours</b>   | <b>15</b>     |                |                 |

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%

Reasons in detail for not teaching any topic  Non

If any topics were taught which are not specified, give reasons in detail Non, all of the missed teaching hours were substituted.

2- Teaching and learning methods:

Lectures: Classical lecturing using the white board and computer supported learning

Practical training/ laboratory: Non

Seminar/Workshop:

Two Seminars were arranged by the students:

- (e) Artificial lighting in buildings.
- (f) Methods of heat transfer in buildings.

Class activity:

Technical installation drawings & details in buildings.

Case Study: Lighting in administration building

Other assignments/homework: Every two weeks

If teaching and learning methods were used other than those specified, list and give reasons:

Non

3- Student assessment:

| Method of assessment         | Percentage of total |
|------------------------------|---------------------|
| Written examination          | 70 %                |
| Oral examination             | ----                |
| Practical/laboratory work    | ----                |
| Other assignments/class work | 20 %                |
| Mid-Term Exam                | 10 %                |
| <b>Total</b>                 | <b>100 %</b>        |

Members of examination committee Dr. Sayed Abdel- Khaleaa

Role of external evaluator Non

4- Facilities and teaching materials:

Totally adequate Yes.



Adequate to some extent

Inadequate

List any inadequacies

 Non

5- Administrative constraints

List any difficulties encountered

Non

6- Student evaluation of the course:

Response of course team

List any criticisms

|     |   |  |
|-----|---|--|
| (a) | It is recommended to increase the teaching hours of this course | The teaching hours are determined by the curriculum approved by the supreme council of higher institutes |
|-----|---|--|

7- Comments from external evaluator(s):

Response of course team

Review the targeted learning outcomes with simplification

The learning outcomes have been revised and simplified.

Review Professional and Practical Skills

Professional and Practical skills had been updated

Updated Refrenes

8- Course enhancement:

Progress on actions identified in the previous year's action plan: Non

Action State whether or not completed and give reasons for any non-completion Non

9- Action plan for academic year 2016- 2017

Actions required

Completion date

Person responsible

Non

Course coordinator: Dr .Sayed Abdel- Khaleaa

Signature:

Date: August 2017

## ARC 411: Technical Installations and Plumbing Engineering 2

### Annual Course Report

### Academic year 2016-2017

#### A- Basic Information

1- **Title and code:** ARC 411: Technical Installations and Plumbing Engineering 2

2- **Program(s) on which this course is given:** Architecture Engineering and Building Technology Department

3- **Year/Level of program:** Senior 1, Level 4, 8<sup>th</sup> Semester

#### 4- Unit hours

Credit Hours: 2

Lectures:1

Tutorial/Exercise:3

Practical: -

Pre-requisite ARC 410

#### 5- Names of lecturers contributing to the delivery of the course

Dr Sayed Abdel Khaleaa

Course coordinator Dr Sayed Abdel Khaleaa

External evaluator

#### B- Statistical Information

No. of students attending the course (spring) : No. 391 % 100

#### Result:

|        | No. | %    |
|--------|-----|------|
| Passed | 389 | 99.5 |
| Failed | 2   | 0.51 |

#### Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 44          | 11.25 |
| A     | 84          | 21.48 |
| A-    | 71          | 18.15 |
| B+    | 89          | 22.76 |
| B     | 51          | 13.04 |
| C+    | 32          | 8.18  |
| C     | 15          | 3.83  |
| D+    | 3           | 0.76  |
| D     | 2           | 0.51  |

## C- Professional Information

### 1 – Course teaching

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. Principles of sound. Principles of sanitary installations.  | 1             | 3              |                 |
| 2. Nature of sound. Sanitary installation in buildings.  | 1             | 3              |                 |
| 3. Sound levels. Sources of water. Water treatment.  | 1             | 3              |                 |
| 4. Attenuation of sound. Water supply in buildings.  | 1             | 3              |                 |
| 5. Nature of hearing. Water supply in buildings.   | 1             | 3              |                 |
| 6. Measurement of sound. Drainage systems.   | 1             | 3              |                 |
| 7. Mid-Term Exam.  | 1             | 3              |                 |
| 8. Noise control. Waste water treatment.   | 1             | 3              |                 |
| 9. Noise transfer. Under ground water tanks.   | 1             | 3              |                 |
| 10. Artifound insulation. Fire fighting in buildings.  | 1             | 3              |                 |
| 11. Acoustic principles. Electricity installation in buildings.  | 1             | 3              |                 |
| 12. Reflection of sound. Fire alarm in buildings.  | 1             | 3              |                 |
| 13. Absorption of sound. Air control in buildings.   | 1             | 3              |                 |
| 14. Reverberation of sound. HVAC systems.  | 1             | 3              |                 |
| 15. Principles of sound. Principles of sanitary installations.<br>Nature of sound. Sanitary installation in buildings. | 1             | 3              |                 |
| <b>Total hours</b>   | <b>15</b>     | <b>45</b>      |                 |

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%

Reasons in detail for not teaching any topic Non

If any topics were taught which are not specified, give reasons in detail Non, all of the missed teaching hours were substituted.

**2- Teaching and learning methods:**

Lectures:

Practical training/ laboratory:

**Seminar/Workshop:**

Two Seminars were arranged by the students:

- (g) Drainage systems in buildings.
- (h) Building acoustics.

**Class activity:** Technical installation drawings & details in buildings.

**Case Study:**

**Other assignments/homework:**

If teaching and learning methods were used other than those specified, list and give reasons:

**3- Student assessment:**

| Method of assessment         | Percentage of total                |
|------------------------------|------------------------------------|
| Written examination          | <input type="text" value="70 %"/>  |
| Oral examination             | ----                               |
| Practical/laboratory work    | <input type="text" value="-----"/> |
| Other assignments/class work | <input type="text" value="20 %"/>  |
| Mid-Term Exam                | <input type="text" value="10 %"/>  |
| <b>Total</b>                 | <b>100 %</b>                       |

Members of examination committee Dr Sayed Abdel Khaleaa

Role of external evaluator Non

**4- Facilities and teaching materials:**

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

Non

#### 5- Administrative constraints

List any difficulties encountered

Non

#### 6- Student evaluation of the course:

Response of course team

List any criticisms

(a) It is recommended to increase the teaching hours of this course

The teaching hours are determined by the curriculum approved by the supreme council of higher institutes

#### 7- Comments from external evaluator(s):

Response of course team

Review the targeted learning outcomes

Increase the exercises

Review professional and practical skills

#### 8- Course enhancement:

Progress on actions identified in the previous year's action plan: Non

Action State whether or not completed and give reasons for any non-completion Non

#### 9- Action plan for academic year 2016 – 2017

Actions required

Completion date

Person responsible

Non

Course coordinator: Dr Sayed Abdel Khaleaa

Signature:

Date: August 2017

**ARC 423: Housing & City Planning 1**  
**Annual Course Report**  
**Academic Year 2016-2017**

**A- Basic Information**

1- **Title and code:** ARC 423: Housing & City Planning 1

2- **Program(s) on which this course is given:** Architecture Engineering and Building Technology Department

3- **Year/Level of program:** Senior 1, Level 4, 7<sup>th</sup> Semester

4- **Unit hours**

**Credit Hours: 2**

**Lectures: 1**

**Tutorial/Exercise: 3**

**Practical: -**

**Pre-requisite:** ARC 326

5- **Names of lecturers contributing to the delivery of the course**

Dr. Mohamed Mostafa

**B- Statistical Information**

**No. of students attending the course (FALL) :** No.  %

**Result:**

|        | No. | %    |
|--------|-----|------|
| Passed | 334 | 92.7 |
| Failed | 26  | 7.2  |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| A-    | 10          | 2.77  |
| B+    | 17          | 4.72  |
| B     | 39          | 10.83 |
| C+    | 32          | 8.88  |
| C     | 65          | 18.05 |
| D+    | 67          | 18.61 |
| D     | 51          | 14.16 |
| D-    | 54          | 15    |
| F     | 26          | 7.2   |

**No. of students attending the course (Spring) :** No.  %

|                |            |          |
|----------------|------------|----------|
| <b>Result:</b> | <b>No.</b> | <b>%</b> |
| Passed         | 53         | 94.64    |
| Failed         | 3          | 5.35     |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| B+    | 1           | 1.78  |
| C+    | 1           | 1.78  |
| C     | 13          | 23.21 |
| D+    | 10          | 17.85 |
| D     | 16          | 28/57 |
| D-    | 12          | 21.42 |
| F     | 3           | 5.35  |

## C- Professional Information

### 1 – Course teaching

| Topic   | Lecture hours | Tutorial hours | Practical hours |
|---|---------------|----------------|-----------------|
| 1. Planning definition , elements & level                   | 1             | 3              |                 |
| 2. Thinking methodology                                     | 1             | 3              |                 |
| 3. Thinking methodology                                     | 1             | 3              |                 |
| 4. Site analysis studies                                    | 1             | 3              |                 |
| 5. Site analysis studies ( GIS Application )                | 1             | 3              |                 |
| 6. Following up the project ( GIS Application )             | 1             | 3              |                 |
| 7. Mid-Term Exam  | 1             | 3              |                 |
| 8. Following up the project ( GIS Application )             | 1             | 3              |                 |
| 9. Evaluating site analysis studies                         | 1             | 3              |                 |
| 10. Simian on neighbor hoods ( Introducing neighbor hoods ) | 1             | 3              |                 |
| 11. Following up the alternatives + Evaluation              | 1             | 3              |                 |
| 12. Following up the alternatives + Evaluation              | 1             | 3              |                 |

|   |   |   |  |
|---|---|---|--|
| 13. Evaluating alternatives                             | 1 | 3 |  |
| 14. Semi final presentation (Following up the project ) | 1 | 3 |  |
| 15. Final Presentation                                  | 1 | 3 |  |
| 16. Planning definition , elements & level              | 1 | 3 |  |

**Topics taught as a percentage of the content specified:**

>90 %  70-90 %  <70%

**Reasons in detail for not teaching any topic**

None

**If any topics were taught which are not specified, give reasons in detail**

None

**2- Teaching and learning methods:**

**Lectures:**

**Practical training/ laboratory:**

**Seminar/Workshop:**

**Class activity:** exercises, , quizzes, Discussions, computer applications

**Researches:**

**Other assignments/homework:**

**If teaching and learning methods were used other than those specified, list and give reasons:**

None

**3- Student assessment:**

| Method of assessment      | Percentage of total               |
|---------------------------|-----------------------------------|
| Final examination         | <input type="text" value="40%"/>  |
| Project                   | <input type="text" value="30%"/>  |
| Practical/laboratory work | <input type="text" value="...%"/> |
| Assignments/class work    | <input type="text" value="20%"/>  |
| Mid-Term Exam             | <input type="text" value="10%"/>  |



Total

100 %

**Members of examination committee**

Dr. Mohamed Mostafa – Dr. Marwa Adel

**Role of external evaluator**

None

**4- Facilities and teaching materials:**

Totally adequate

yes

Adequate to some extent

...

Inadequate

.....

List any inadequacies

None

**5- Administrative constraints**

List any difficulties encountered

None

**6- Student evaluation of the course:**

Response of course team

Non

**7- Comments from external evaluator(s):**

Response of course team

Review the target learning outcomes

The learning outcome have been resived and practical skills have been updated.

**8- Course enhancement:**

Progress on actions identified in the previous year's action plan:

Action State whether or not completed and give reasons for any non-completion

None

**9- Action plan for academic year 2016– 2017**

---

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:** Dr. Mohamed Mostafa

**Signature:**

**Date:** August 2017

**ARC 424: Housing & City Planning 2**  
**Annual Course Report**  
**Academic Year 2016-2017**

**A- Basic Information**

- 1- **Title and code:** ARC 424: Housing & City Planning 2
- 2- **Program(s) on which this course is given:** Architecture Engineering and Building Technology Department
- 3- **Year/Level of program:** Senior 1, Level 4, 8<sup>th</sup> Semester
- 4- **Unit hours**

**Credit Hours:** 2                      **Lectures:** 1                      **Tutorial/Exercise:**3                      **Practical:** -

**Pre-requisite:** ARC 423

**Names of lecturers contributing to the delivery of the course**

Dr. Mohamed Mostafa – Dr. Marwa Adel

**B- Statistical Information**

**No. of students attending the course (spring) :** No. 366 %100

| <b>Result:</b> | <b>No.</b> | <b>%</b> |
|----------------|------------|----------|
| Passed         | 360        | 98.36    |
| Failed         | 6          | 1.63     |

**Grading of successful students**

| <b>Grade</b> | <b>Student No.</b> | <b>%</b> |
|--------------|--------------------|----------|
| A-           | 18                 | 4.91     |
| B+           | 31                 | 9.29     |
| B            | 51                 | 13.93    |
| C+           | 77                 | 21.03    |
| C            | 80                 | 21.85    |
| D+           | 50                 | 13.66    |
| D            | 31                 | 9.29     |
| D-           | 16                 | 4.37     |
| F            | 6                  | 1.63     |

No. of students attending the course (SUMMER) : No. 24 % 100

Result:

|        | No. | %     |
|--------|-----|-------|
| Passed | 22  | 91.66 |
| Failed | 2   | 8.33  |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| B+    | 1           | 4.16  |
| B     | 2           | 8.33  |
| C+    | 1           | 4.16  |
| C     | 3           | 12.50 |
| D+    | 5           | 20.83 |
| D     | 5           | 20.83 |
| D-    | 5           | 20.83 |
| F     | 2           | 8.33  |

## C- Professional Information

### 1 - Course teaching

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. Planning elements & introducing the project           | 1             | 3              |                 |
| 2. Site analysis studies ( Revision on GIS )             | 1             | 3              |                 |
| 3. Site analysis studies                                 | 1             | 3              |                 |
| 4. Site analysis studies ( following up the project )    | 1             | 3              |                 |
| 5. Following up the site analysis studies & evaluation   | 1             | 3              |                 |
| 6. Following up the site analysis studies & evaluation   | 1             | 3              |                 |
| 7. Mid-Term Exam   | 1             | 3              |                 |
| 8. Evaluating the site analysis studies                  | 1             | 3              |                 |
| 9. Solving strategies ( following up the alternatives )  | 1             | 3              |                 |
| 10. Solving strategies ( following up the alternatives ) | 1             | 3              |                 |

|  |           |           |  |
|--|-----------|-----------|--|
| 11. Solving strategies ( following up the alternatives ) | 1         | 3         |  |
| 12. Evaluating alternatives                              | 1         | 3         |  |
| 13. Evaluating alternatives                              | 1         | 3         |  |
| 14. Semi-final presentation ( following up the project ) | 1         | 3         |  |
| 15. Final presentation                                   | 1         | 3         |  |
| <b>Total hours</b>                                       | <b>15</b> | <b>30</b> |  |

**Topics taught as a percentage of the content specified:**

>90 %  70-90 % <70%

**Reasons in detail for not teaching any topic**

None

**If any topics were taught which are not specified, give reasons in detail**

None

**2- Teaching and learning methods:**

**Lectures:**

**Practical training/ laboratory:**

**Seminar/Workshop:**

**Class activity:** exercises, , quizzes, Discussions, computer applications

**Researches:**

**Other assignments/homework:**

**If teaching and learning methods were used other than those specified, list and give reasons:**

Non

**3- Student assessment:**

| Method of assessment | Percentage of total               |
|----------------------|-----------------------------------|
| Final examination    | <input type="text" value="40%"/>  |
| Project              | <input type="text" value="30-%"/> |



---

Actions required

Completion date

Person responsible

**Course coordinator:** Dr. Marwa Adel

**Signature:**

**Date:** August 2017

## ARC 430 Housing in Developing Countries

(Applied Engineering and Design Elective Course)

### Annual Course Report

Academic Year 2016-2017

#### A- Basic Information

- 1- Title and code: ARC 430 Housing in Developing Countries -B
- 2- Program(s) on which this course is given: Architecture Engineering and Building Technology Department
- 3- Year/Level of program: Senior 1,Level 4
- 4- Unit hours

Credit Hours: 2                      Lectures: 2                      Tutorial/Exercise:-                      Practical: -

Pre-requisite: ARC 321

#### 5- Names of lecturers contributing to the delivery of the course

Dr. Mohamed Mostafa , Dr.Rasha Shaban

#### B- Statistical Information

No. of students attending the course (FALL) : No. 40 %100

Result:

|        | No. | %  |
|--------|-----|----|
| Passed | 32  | 80 |
| Failed | 8   | 20 |

#### Grading of successful students

| Grade | Student No. | %    |
|-------|-------------|------|
| B+    | 1           | 2.5  |
| B     | 1           | 2.5  |
| C+    | 3           | 7.5  |
| C     | 3           | 7.5  |
| D+    | 7           | 17.5 |
| D     | 7           | 17.5 |
| D-    | 10          | 25   |
| F     | 8           | 20   |

No. of students attending the course (summer) : No. 12 %100



|                |            |          |
|----------------|------------|----------|
| <b>Result:</b> | <b>No.</b> | <b>%</b> |
| Passed         | 12         | 100      |
| Failed         | 0          | 0        |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| A-    | 1           | 8.33  |
| B+    | 1           | 8.33  |
| B     | 1           | 8.33  |
| C+    | 1           | 8.33  |
| C     | 2           | 16.66 |
| D+    | 1           | 8.33  |
| D     | 5           | 41.66 |

## C- Professional Information

### 1 – Course teaching

Topics taught as a percentage of the content specified:

### 3 – Contents

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1. User's participation US. Policy of centralization | 2             |                |                 |
| 2. John Turners US rod burgess                       | 2             |                |                 |
| 3. Users participation in dwelling                   | 2             |                |                 |
| 4. Cases of users participation outside Egypt        | 2             |                |                 |
| 5. Main elements in dwelling process                 | 2             |                |                 |
| 6. Turner's Concepts and his main issues             | 2             |                |                 |
| 7. Mid-Term Exam                                     | 2             |                |                 |
| 8. Recent dwelling approach in Egypt                 | 2             |                |                 |
| 9. Recent dwelling approach in Egypt                 | 2             |                |                 |
| 10. Quantitative proprieties of dwelling sectors     | 2             |                |                 |
| 11. Quantitative proprieties of dwelling sectors     | 2             |                |                 |

|  |           |  |  |
|--|-----------|--|--|
| 12. Quantitative proprieties of dwelling sectors | 2         |  |  |
| 13. Quantitative proprieties of dwelling sectors | 2         |  |  |
| 14. Dwelling Levels                              | 2         |  |  |
| 15. Dwelling Levels                              | 2         |  |  |
| <b>Total hours</b>                               | <b>30</b> |  |  |

>90 %  70-90 % <70%

**Reasons in detail for not teaching any topic**

None

**If any topics were taught which are not specified, give reasons in detail**

None

**2- Teaching and learning methods:**

**Lectures:**

**Practical training/ laboratory:**

**Seminar/Workshop:**

**Class activity:**

**Researches:**

**Other assignments/homework:**

**If teaching and learning methods were used other than those specified, list and give reasons:**

None

**3- Student assessment:**

| Method of assessment      | Percentage of total                |
|---------------------------|------------------------------------|
| Final examination         | <input type="text" value="-70-%"/> |
| Project                   | <input type="text" value="10%"/>   |
| Practical/laboratory work | <input type="text" value="%"/>     |

|                        |                                    |
|------------------------|------------------------------------|
| Assignments/class work | <input type="text" value="-10-%"/> |
| Mid-Term Exam          | <input type="text" value="-10-%"/> |
| Total                  | 100 %                              |

Members of examination committee Dr. Marwa Adel

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

None

6- Student evaluation of the course:

Response of course team

List any criticisms

1.

2.

7- Comments from external evaluator(s):

Response of course team

Review the targeted learning outcomes The learning outcomes have been resived

Updated References

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Action State whether or not completed and give reasons for any non-completion

None

**9- Action plan for academic year 2016– 2017**

| Actions required                                    | Completion date | Person responsible |
|---|-----------------|--------------------|
| 1. Review the Professional and the Practical skills |                 |                    |

**Course coordinator:** . Dr. Mohamed Mostafa , Dr.Rasha Shaban

**Signature:** . Dr. Mohamed Mostafa , Dr.Rasha Shaban

**Date:** August 2017

## ARC 450:Project Management(Humanitarian Elective Courses)

### Annual Course Report

### Academic Year 2016-2017

#### A- Basic Information

1- Title and code : ARC 450:Project Management(Humanitarian Elective Courses)

2- Program(s) on which this course is given: Architecture Engineering and building Technology

3- Year/Level of program: Senior 1,Level 4

4- Unit hours

Credit Hours:2

Lectures:2

Tutorial:

Pre-requisite:-

5- Names of lecturers contributing to the delivery of the course

Dr. Amira Abd EIAziz,

Course coordinator Dr. Amira Abd EIAziz,

External evaluator

#### B- Statistical Information

No. of students attending the course (FALL) : No. 218 %100

Result:

|        | No. | %   |
|--------|-----|-----|
| Passed | 217 | 100 |
| Failed | 0   | 0   |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 19          | 8.716 |
| A     | 27          | 12.38 |
| A-    | 48          | 22    |
| B+    | 39          | 17.89 |
| B     | 25          | 11.5  |
| C+    | 24          | 11    |
| C     | 19          | 8.7   |
| D+    | 10          | 4.58  |
| D     | 6           | 2.75  |

|   |   |      |
|---|---|------|
| D | 1 | 0.46 |
|---|---|------|

## C- Professional Information

### 1 – Course teaching

| Topic                                   | Lecture hours | Tutorial hours | Practical hours |
|---|---------------|----------------|-----------------|
| • Introduction to construction industry | 2             |                |                 |
| • Bid study                             | 2             |                |                 |
| • Unbalanced bids                       | 2             |                |                 |
| • Project case study (tender project).  | 2             |                |                 |
| • Project planning.                     | 2             |                |                 |
| • Project planning..                    | 2             |                |                 |
| • Project planning..                    | 2             |                |                 |
| • Project planning..                    | 2             |                |                 |
| • Project planning..                    | 2             |                |                 |
| • Time reduction.                       | 2             |                |                 |
| • Time management.                      | 2             |                |                 |
| • Financial management.                 | 2             |                |                 |
| • Financial management.                 | 2             |                |                 |
| • Resource management                   | 2             |                |                 |
| • Resource management                   | 2             |                |                 |
| <b>Total hours</b>                      | <b>30</b>     |                |                 |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

**Reasons in detail for not teaching any topic**

None

**If any topics were taught which are not specified, give reasons in detail**

None

**2- Teaching and learning methods:**

**Lectures:**

**Practical training/ laboratory:**

**Seminar/Workshop:**

**Class activity:**

**Researches:**

**Other assignments/homework:**

**If teaching and learning methods were used other than those specified, list and give reasons:**

None

**3- Student assessment:**

| Method of assessment      | Percentage of total               |
|---------------------------|-----------------------------------|
| Final examination         | <input type="text" value="70%"/>  |
| Project                   | <input type="text" value="---%"/> |
| Practical/laboratory work | <input type="text" value="---%"/> |
| Assignments/class work    | <input type="text" value="20%"/>  |
| Mid-Term Exam             | <input type="text" value="10%"/>  |
| Total                     | 100 %                             |

Members of examination committee Dr. Amira Abd ElAziz,

Role of external evaluator None

**4- Facilities and teaching materials:**

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

None

**5- Administrative constraints**

List any difficulties encountered

None

**6- Student evaluation of the course:**

**Response of course team**

List any criticisms

1. More assisted teature

**7- Comments from external evaluator(s):**

**Response of course team**

Review the target learning outcomes  
skills have been updated

Review the target learning outcomes  
skills have been updated.

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016- 2017**

Actions required : Non

Completion date

Person responsible

**Course coordinator:** Dr. Amira Abd ElAziz,

**Signature:**

**Date:** August 2017



## ARC 451 Architecture , Civilization and Heritage

(Humanitarian Elective Courses)

### Annual Course Report

Academic Year 2016-2017

#### A- Basic Information

1- Title and code: ARC 451 Architecture , Civilization and Heritage (Humanitarian Elective Courses)

2- Program(s) on which this course is given: Architecture Engineering and building Technology

3- Year/Level of program: Senior 1,Level 4

4- Unit hours

Credit Hours: 2

Lectures: 2

Tutorial/Exercise-

Practical: -

Pre-requisite: ARC 321

5- Names of lecturers contributing to the delivery of the course

Dr. Nahed Omran

#### B- Statistical Information

No. of students attending the course (FALL) : No. 115 % 100

Result:

|        | No. | %     |
|--------|-----|-------|
| Passed | 114 | 99.13 |
| Failed | 1   | 0.86  |

Grading of successful students

| Grade | Student No. | %    |
|-------|-------------|------|
| A+    | 13          | 11.4 |
| A     | 14          | 12.3 |
| A-    | 24          | 20.8 |
| B+    | 24          | 20.8 |
| B     | 12          | 10.4 |
| C+    | 10          | 8.69 |
| C     | 8           | 6.9  |
| D+    | 4           | 3.47 |
| D     | 3           | 2.6  |

|    |   |      |
|----|---|------|
| D- | 2 | 1.74 |
| F  | 1 | 0.86 |

## C- Professional Information

### 1 – Course teaching

Topics taught as a percentage of the content specified:

| Topic   | Lecture hours | Tutorial hours | Practical hours |
|---|---------------|----------------|-----------------|
| 1. Culture and Architecture. (General definitions, terms, and characteristics of culture and Architecture)  | 2             |                |                 |
| 2. Heritage and Architecture (Definitions, Classification of Heritage, World Heritage sites)  | 2             |                |                 |
| 3. Paradigms and the three world views (Organismic, Mechanistic and Systemic world views and its relation to Architecture)  | 2             |                |                 |
| 4. The Interrelation between culture and Architecture (General theories, concepts and examples)   | 2             |                |                 |
| 5. Architecture as cultural expression - Features and characteristics (A detailed discussion of the multi-components of culture and its impacts on the architectural patterns)  | 2             |                |                 |
| 6. Social interaction and urban environment – perception , environment image and behavior patterns. The role of the architect towards the local culture of the place. (community design, participatory design approaches) | 2             |                |                 |
| 7. Mid-Term Exam  | 2             |                |                 |
| 8. The role of participation and community involvement in Architectural and Urban Design (Local Case studies)   | 2             |                |                 |
| 9. A brief discussion of the Anthropology as a tool of understanding local and indigenous cultures and its application to Architecture  | 2             |                |                 |
| 10. Regionalism of architecture and architectural expression  | 2             |                |                 |
| 11. Architectural and Urban Heritage (A review of Values)   | 2             |                |                 |
| 12. Urban and Architectural Conservation (A review of interventions)  | 2             |                |                 |
| 13. Local and international case studies of urban and Architectural projects corresponding to the cultural dimension of the societies.  | 2             |                |                 |
| 14. Site Visit  | 2             |                |                 |
| 15. Research project presentation and discussion  | 2             |                |                 |

|             |     |         |      |
|-------------|-----|---------|------|
| Total hours | 30  |         |      |
| >90 %       | 100 | 70-90 % | <70% |
|             |     |         | ...  |

**Reasons in detail for not teaching any topic**

None

**If any topics were taught which are not specified, give reasons in detail**

None

**2- Teaching and learning methods:**

**Lectures:** Classical lecturing using the white board and data show

**Practical training/ laboratory:**

-----

**Seminar/Workshop:** -yes

**Class activity:** exercises, , quizzes,

**Researches:** yes

**Other assignments/homework:** weekly assignments

**If teaching and learning methods were used other than those specified, list and give reasons:**

None

**3- Student assessment:**

| Method of assessment      | Percentage of total |
|---------------------------|---------------------|
| Final examination         | 70%                 |
| Project                   | 10%                 |
| Practical/laboratory work | %                   |
| Assignments/class work    | 10-%                |
| Mid-Term Exam             | 10-%                |
| <b>Total</b>              | <b>100 %</b>        |

Members of examination committee Dr. haitham samir



1. Increase the Practical skills

**Course coordinator:** Dr. haitham samir

**Signature:** Dr. Nahed Omran

**Date:** August 2017

## ARC432 Design, Environmental planning and power

(Humanitarian Elective Courses)

### Annual Course Report

Academic Year 2016-2017

#### A- Basic Information

1- Title and code: ARC 432 Design, Environmental planning and power (Humanitarian Elective Courses)

2- Program(s) on which this course is given: Architecture Engineering and building Technology

3- Year/Level of program: Senior 1, Level 4

4- Unit hours

Credit Hours: 2

Lectures: 2

Tutorial/Exercise-2

Practical: -

Pre-requisite: ARC 325

5- Names of lecturers contributing to the delivery of the course

Dr. Sherif Elsaid

#### B- Statistical Information

No. of students attending the course (FALL) : No. 317 % 100

Result:

|        | No. | %    |
|--------|-----|------|
| Passed | 286 | 90.2 |
| Failed | 31  | 9.7  |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 1           | 0.315 |
| A     | 7           | 2.2   |
| A-    | 15          | 4.7   |
| B+    | 21          | 6.62  |
| B     | 50          | 15.77 |
| C+    | 36          | 11.35 |
| C     | 42          | 13.25 |
| D+    | 42          | 13.25 |
| D     | 34          | 10.7  |

|    |    |       |
|----|----|-------|
| D- | 38 | 11.98 |
| F  | 31 | 9.7   |

## C- Professional Information

### 1 – Course teaching

Topics taught as a percentage of the content specified:

| Topic   | Lecture hours | Tutorial hours | Practical hours |
|---|---------------|----------------|-----------------|
| 1. Environmental fields and its level   | 2             | 2              |                 |
| 2. Environmental fields and its level   | 2             | 2              |                 |
| 3. climatic zone in Egypt Integrated Environmental design   | 2             | 2              |                 |
| 4. climatic zone in Egypt Integrated Environmental design   | 2             | 2              |                 |
| 5. definition of saving Energy comfort degrees and human needs  | 2             | 2              |                 |
| 6. definition of saving Energy comfort degrees and human needs  | 2             | 2              |                 |
| 7. Mid-Term Exam  | 2             | 2              |                 |
| 8. Ecological system saving from natural condition: sand movement – Beaches/ Ecological system saving from natural condition: sand movement – Beaches | 2             | 2              |                 |
| 9. Floods – facing Air earth pollution  | 2             | 2              |                 |
| 10. Environmental effects , forms and site Design   | 2             | 2              |                 |
| 11. Daylight needs – Aerodynamics Architecture  | 2             | 2              |                 |
| 12. ventilation Design and protection from wind   | 2             | 2              |                 |
| 13. renewed energy – solar energy and its efficiency  | 2             | 2              |                 |
| 14. renewed energy – solar energy and its efficiency.   | 2             | 2              |                 |
| 15. Revision  | 2             | 2              |                 |
| <b>Total hours</b>  | <b>30</b>     | <b>30</b>      |                 |

>90 %  70-90 %

<70%

Reasons in detail for not teaching any topic

None

If any topics were taught which are not specified, give reasons in detail

None

**2- Teaching and learning methods:**

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity: exercises, , quizzes,

Researches:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

None

**3- Student assessment:**

| Method of assessment      | Percentage of total               |
|---------------------------|-----------------------------------|
| Final examination         | <input type="text" value="70%"/>  |
| Project                   | <input type="text" value="10%"/>  |
| Practical/laboratory work | <input type="text" value="%"/>    |
| Assignments/class work    | <input type="text" value="10-%"/> |
| Mid-Term Exam             | <input type="text" value="10-%"/> |
| Total                     | 100 %                             |

Members of examination committee Dr. sherif Elsaid

Role of external evaluator

**4- Facilities and teaching materials:**

Totally adequate



Adequate to some extent



Inadequate



List any inadequacies

None

**5- Administrative constraints**

List any difficulties encountered

None

**6- Student evaluation of the course:**

**Response of course team**

List any criticisms

1. Increase the hours of lectures

**7- Comments from external evaluator(s):**

**Response of course team**

Review the targeted learning outcomes

The learning outcomes have been revised

Updated References

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016– 2017**

Actions required

Completion date

Person responsible

1. Increase the Practical skills

**Course coordinator:** Dr. Sherif Elsaid

**Signature:** Dr. Sherif Elsaid

**Date:** August 2017

5<sup>th</sup> year Architecture

|    | Code    | Course  |
|----|---------|---|
| 1  | ARC 521 | Architectural Design (7)  |
| 2  | ARC 511 | Working Drawing & Const. Documents                                  |
| 3  | ARC 523 | Urban Design  |
| 4  | ARC 522 | City Planning   |
| 5  | ARC 533 | Modern System Building Materials                                    |
| 6  | ARC 512 | Building Regulations & Professional Practice                        |
| 7  | ARC 532 | Computer in Architecture  |
| 8  | ARC 434 | Modular Coordination  |
| 9  | ARC 530 | Elective Course(3)( Urban and Environmental Conservation)           |
| 10 | ARC 560 | Final Graduation Project  |
| 11 | ARC 521 | Elective Course (4) Elective Course (Aesthetics of the composition) |
| 12 | ARC 551 | Elective Course (Aesthetics of the composition)                     |
| 13 | ARC 540 | History & Theory of Architecture (4)                                |
| 14 | ARC 513 | Quantities & Contracts -b   |

## ARC 521 Architecture Design (7)

### Annual Course Report

Academic year 2016 - 2017

#### A- Basic Information

3- Title and code : ARC 521 Architecture Design (7)

4- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Senior 2 -Level 4 - 9th Semester

4- Unit hours

|                 |             |            |              |                        |
|-----------------|-------------|------------|--------------|------------------------|
| Credit Hours: 3 | Lectures: 1 | Tutorial:6 | Practical: - | Pre-requisite: ARC 422 |
|-----------------|-------------|------------|--------------|------------------------|

5-Names of lecturers contributing to the delivery of the course

Prof. Dr. Reham Momtaz

Dr. Mohammed Thabat

6-Course coordinator: Dr. Mohammed Thabat

7-External evaluator: None

#### B- Statistical Information

No. of students attending the course (FALL) : No. 298 % 100

Results:

|        | No. | %     |
|--------|-----|-------|
| Passed | 296 | 99.31 |
| Failed | 2   | 0.69  |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 7           | 2.4   |
| A     | 21          | 7.2   |
| A-    | 27          | 9.34  |
| B+    | 40          | 13.8  |
| B     | 56          | 19.37 |
| C+    | 56          | 19.37 |
| C     | 36          | 12.45 |
| D+    | 25          | 8.65  |

|    |    |      |
|----|----|------|
| D- | 11 | 3.8  |
| D  | 8  | 2.76 |
| F  | 2  | 0.69 |

No. of students attending the course (Spring) : No. **10** % **100**

**Results:**

|               | No. | %   |
|---------------|-----|-----|
| <b>Passed</b> | 10  | 100 |
| <b>Failed</b> | 0   | 0   |

**Grading of successful students**

| Grade | Student No. | %  |
|-------|-------------|----|
| A-    | 1           | 10 |
| B+    | 3           | 30 |
| B     | 1           | 10 |
| C+    | 1           | 10 |
| C     | 3           | 30 |
| D     | 1           | 10 |

**C- Professional Informatio**

**1 – Course teaching**

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1) Introduction : Multi purpose hall project                     | 1             | 6              |                 |
| 2) Site analysis and researche                                   | 1             | 6              |                 |
| 3) Final resarche submission                                     | 1             | 6              |                 |
| 4) Layout proposal Design concept                                | 1             | 6              |                 |
| 5) Master plan ( zoning – organization )                         | 1             | 6              |                 |
| 6) Floor plans Forwvlation                                       | 1             | 6              |                 |
| 7) Mid-Term Exam   | 1             | 6              |                 |
| 8) Level Study ( sections ) Floor plans design development       | 1             | 6              |                 |
| 9) Elevations design Floor plans (final)                         | 1             | 6              |                 |
| 10) 3D Perspective or isometric / mass study                     | 1             | 6              |                 |
| 11) interiors - details and presentation                         | 1             | 6              |                 |
| 12) sections & Elevations  | 1             | 6              |                 |
| <b>13) Development and final Plans sections &amp; Elevations</b> | 1             | 6              |                 |
| 14) Sections- Elevations Final sketch submission                 | 1             | 6              |                 |
| 15) 3D Models Final project submission                           | 1             | 6              |                 |
| <b>Total hours</b>   | <b>15</b>     | <b>90</b>      |                 |

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail None

## 2- Teaching and learning methods:

Lectures:

Practical training:

Seminar/Workshop:

Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:  
site visits for free hand sketching

## 3- Student assessment:

| Method of assessment         | Percentage of total               |
|------------------------------|-----------------------------------|
| Final examination            | <input type="text" value="40%"/>  |
| Other assignments/class work | <input type="text" value="50%"/>  |
| Mid-Term Exam                | <input type="text" value="10 %"/> |
| Total                        | 100 %                             |

Members of examination committee Dr. Mohammed Thabat

Role of external evaluator None

**4- Facilities and teaching materials:**

Totally adequate  Yes

Adequate to some extent  .....

Inadequate  .....

List any inadequacies: None

**5- Administrative constraints**

List any difficulties encountered

- The drawing tables aren't suitable for freehand sketching

**6- Student evaluation of the course:**

**Response of course team**

List any criticisms

More references and books are to be provided.

Recommending a list of books and relevant references to the students.

**7- Comments from external evaluator(s):**

**Response of course team**

- None

-

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

| Actions required   | Planned Completion date  | Accomplishment |
|--|--|----------------|
| The projects have to be identified through a clear program and given design determinants   | Completed in the 1st & 8th week of the 1st and 2nd semester subsequently | -              |
| A clear arrangement of student groups has to be identified and declared to all the students from the beginning. Each group is likely to have a different design determinants and problem than the other, and will be directed by one of the teaching assistants. | Completed in the 1st week of the semester                                | -              |

**Action State whether or not completed and give reasons for any non-completion**      None

9- Action plan for academic year 2016 – 2017

| Actions required   | Completion date   | Person responsible        |
|--|---|---------------------------|
| Four projects have to be identified through a clear program and given design determinants  | 1st & 8th week of the 1st and 2nd semester subsequently | Course coordinator        |
| A clear arrangement of student groups has to be identified and declared to all the students from the beginning. Each group is likely to have a different design determinants and problem than the other, and will be directed by one of the teaching assistants. | 1st week of the semester                                | Senior teaching assistant |
| Arranging a year exhibition for students work in order to induce a self learning process and competition among the students  | 10 <sup>th</sup> week of the 2 <sup>nd</sup> semester - | Teaching assistants -     |

**Course coordinator:** Dr. Mohammed Thabat

**Signature:**

**Date:** August 2017

## ARC 523 Urban Design

### Annual Course Report

Academic year 2016 – 2017

#### A- Basic Information

- 1- Title and code : ARC 523 Urban Design
- 2- Program(s) on which this course is given:  
Architecture Engineering and Building Technology
- 3- Year/Level of program: Senior 2 -Level 4 - 9th Semester
- 4- Unit hours

|                 |             |             |              |                        |
|-----------------|-------------|-------------|--------------|------------------------|
| Credit Hours: 4 | Lectures: 2 | Tutorial: 4 | Practical: - | Pre-requisite: ARC 423 |
|-----------------|-------------|-------------|--------------|------------------------|

#### 5-Names of lecturers contributing to the delivery of the course

Prof. Dr. Walaa Nour

6-Course coordinator: Prof. Dr. Walaa Nour

7-External evaluator: None

#### B- Statistical Information

No. of students attending the course (FALL) : No.  %

#### Results:

|        | No. | %   |
|--------|-----|-----|
| Passed | 261 | 100 |
| Failed | 0   | 0   |

#### Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A-    | 2           | 0.766 |
| B+    | 39          | 14.94 |
| B     | 111         | 42.5  |
| C+    | 72          | 27.5  |
| C     | 29          | 10    |
| D+    | 5           | 1.9   |
| D     | 2           | 0.766 |
| D-    | 1           | 0.38  |



No. of students attending the course (Spring) : No.  %

**Results:**

|               | No. | %   |
|---------------|-----|-----|
| <b>Passed</b> | 10  | 100 |
| <b>Failed</b> | 0   | 0   |

**Grading of successful students**

| Grade | Student No. | %  |
|-------|-------------|----|
| A     | 1           | 10 |
| A-    | 2           | 20 |
| B+    | 7           | 70 |

**C- Professional Information**

**1 – Course teaching**

| Topic   | Lecture hours | Tutorial hours | Practical hours |
|---|---------------|----------------|-----------------|
| 1-Introduction  | 2             | 4              |                 |
| 2-Urban design &urban planning 1 – project                        | 2             | 4              |                 |
| 3-Urban design &urban planning 2 – project                        | 2             | 4              |                 |
| 4-Urban character 1 – project                                     | 2             | 4              |                 |
| 5-Urban character 2 – project                                     | 2             | 4              |                 |
| 6-Urban fabric 1- project   | 2             | 4              |                 |
| 6- Mid-Term Exam  | 2             | 4              |                 |
| 8- Urban fabric 2 – project                                       | 2             | 4              |                 |
| 9-Visual perception – project                                     | 2             | 4              |                 |
| 10-Urban space 1 – project  | 2             | 4              |                 |
| 11-Urban space 2 – project  | 2             | 4              |                 |
| 12-Façade analysis – project                                      | 2             | 4              |                 |
| 13-Urban development – project                                    | 2             | 4              |                 |
| 14-Landscape elements 1 – project/ Landscape elements 2 - project | 2             | 4              |                 |

|                             |    |    |  |
|-----------------------------|----|----|--|
| 15- Site analysis - project | 2  | 4  |  |
| Total hours                 | 30 | 60 |  |

Notice: Week7 is the date of Mid-Term Exam – took lecture of 2 hrs

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%

Reasons in detail for not teaching any topic: Non

If any topics were taught which are not specified, give reasons in detail: Non

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Researches:

If teaching and learning methods were used other than those specified, list and give reasons:  
 Non

3- Student assessment:

| Method of assessment                                  | Percentage of total |
|---|---------------------|
| Practical Year work (Quizes, Researches & Attendance) | 60 %                |
| Final examination                                     | 40 %                |
| Total   | 100 %               |

Members of examination committee: Prof.Dr. walaa nour

Role of external evaluator: None

4- Facilities and teaching materials:

|                         |       |
|-------------------------|-------|
| Totally adequate        | .Yes. |
| Adequate to some extent | ..... |
| Inadequate              | ..... |
| List any inadequacies:  | None  |

5- Administrative constraints

List any difficulties encountered:

Limitation of number of data show in the principal building

6- Student evaluation of the course:

Response of course team

List any criticisms

- |   |   |
|---|---|
| <p>(a) It is recommended to give us the complete drawings of all chosen projects given in the course to be able to study them more easily and not to make more efforts to search for them through internet sites.</p> | <p>This problem had been solved by presenting the complete drawings of all the given projects in presentation of each lecture. In addition, The course team give some projects ( not mentioned in the course book ) to let the students search for them on purpose to be good excavators for the certain data</p> |
|---|---|

7- Comments from external evaluator(s):                      Response of course team

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

| Actions required  | Planned Completion date | Accomplishment  |
|---|-------------------------|-----------------|
| 1. Hang the excellent (Kept-Records) of researches in determined time |                         | In Action ----- |

Action State whether or not completed and give reasons for any non-completion      None

9- Action plan for academic year 2016 – 2017

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1. None          |                 |                    |

**Course coordinator:** Prof. Dr. Walaa Nour

**Signature:**

**Date:**            August 2017

## ARC 522 City Planning

### Annual Course Report

Academic year 2016 - 2017

#### A- Basic Information

3- Title and code : ARC 522 City Planning

4- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Senior 2 - Level 4 - 9th Semester

4- Unit hours

|                 |             |             |              |                    |
|-----------------|-------------|-------------|--------------|--------------------|
| Credit Hours: 3 | Lectures: 1 | Tutorial: 4 | Practical: - | Pre-requisite: 424 |
|-----------------|-------------|-------------|--------------|--------------------|

5-Names of lecturers contributing to the delivery of the course

Dr. Rasha Shaban

6-Course coordinator: Dr. Rasha Shaban

7-External evaluator: None

#### B- Statistical Information

No. of students attending the course (Fall) : No. 274      % 100

Results:

|               | No. | %    |
|---------------|-----|------|
| <b>Passed</b> | 257 | 93.8 |
| <b>Failed</b> | 17  | 6.2  |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A     | 1           | 0.36  |
| A-    | 3           | 1.09  |
| B+    | 8           | 2.91  |
| B     | 26          | 9.5   |
| C+    | 25          | 9.12  |
| C     | 50          | 18.24 |
| D+    | 49          | 17.24 |
| D     | 52          | 18.97 |
| D-    | 43          | 15.7  |
| F     | 17          | 6.2   |

No. of students attending the course (Spring) : No.  %

Results:

|               | No. | %     |
|---------------|-----|-------|
| <b>Passed</b> | 2   | 66.67 |
| <b>Failed</b> | 1   | 33.33 |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| D     | 1           | 33.33 |
| D-    | 1           | 33.33 |
| F     | 1           | 33.33 |

No. of students attending the course (Summer) : No.  %

Results:

|               | No. | %   |
|---------------|-----|-----|
| <b>Passed</b> | 37  | 100 |
| <b>Failed</b> | 0   | 0   |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 4           | 10.81 |
| A     | 4           | 10.81 |
| A-    | 4           | 10.81 |
| B+    | 4           | 10.81 |
| B     | 10          | 27    |
| C+    | 2           | 5.40  |
| C     | 6           | 16.22 |
| D+    | 2           | 5.40  |
| D     | 1           | 2.70  |

## C- Professional Information

### 1 – Course teaching

| Topic                                    | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1) Planning regions in Egypt             | 1             | 4              |                 |
| 2) Planning regions in Egypt             | 1             | 4              |                 |
| 3) Planning regions in Egypt             | 1             | 4              |                 |
| 4) Historians and development approaches | 1             | 4              |                 |
| 5) Historians and development approaches | 1             | 4              |                 |
| 6) Natural resources in Egypt            | 1             | 4              |                 |
| 7) Mid-Term Exam                         | 1             | 4              |                 |
| 8) Sustainable development               | 1             | 4              |                 |
| 9) Sustainable development               | 1             | 4              |                 |
| 10) Getting maps for menout city         | 1             | 4              |                 |
| 11) Getting maps for menout city         | 1             | 4              |                 |
| 12) Getting maps for menout city         | 1             | 4              |                 |
| 13) Getting maps for menout city         | 1             | 4              |                 |
| 14) Report about el sadat city           | 1             | 4              |                 |
| 15) Report about el sadat city           | 1             | 4              |                 |
| <b>Total hours</b>                       | <b>15</b>     | <b>60</b>      |                 |

Notice: Week7 is the date of Mid-Term Exam – took lecture of 2 hrs

Topics taught as a percentage of the content specified:

>90 %  100 70-90 %  <70%

Reasons in detail for not teaching any topic: None

If any topics were taught which are not specified, give reasons in detail: None

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Researches:

If teaching and learning methods were used other than those specified, list and give reasons:  
None

3- Student assessment:

| Method of assessment                                  | Percentage of total               |
|---|-----------------------------------|
| Practical Year work (Quizes, Researches & Attendance) | <input type="text" value="60 %"/> |
| Final examination                                     | <input type="text" value="40 %"/> |
| Total   | 100 %                             |

Members of examination committee: Dr / Rasha Shabban

Role of external evaluator: None



4- Facilities and teaching materials:

Totally adequate  Yes.

Adequate to some extent

Inadequate

List any inadequacies: None

5- Administrative constraints

List any difficulties encountered:

Limitation of number of data show in the principal building

6- Student evaluation of the course:

Response of course team

List any criticisms

(a) It is recommended to give us the complete drawings of all chosen projects given in the course to be able to study them more easily and not to make more efforts to search for them through internet sites.

This problem had been solved by presenting the complete drawings of all the given projects in presentation of each lecture.

In addition, The course team give some projects ( not mentioned in the course book ) to let the students search for them on purpose to be good excavators for the certain data

7- Comments from external evaluator(s):

Response of course team

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

| Actions required  | Planned Completion date | Accomplishment  |
|---|-------------------------|-----------------|
| 2. Hang the excellent (Kept-Records) of researches in determined time         |                         | In Action ----- |
| Action State whether or not completed and give reasons for any non-completion |                         | None            |

9- Action plan for academic year 2016 - 2017

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1. None          |                 |                    |

Course coordinator: Dr / Rasha Shabban

Signature:

Date: August 2017

## ARC 533 Modern System Building Materials

### Annual Course Report

Academic Year 2016 - 2017

#### A- Basic Information

1- Title and code : ARC 533 Modern System Building Materials

2- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Senior 2 - Level 4 - 9th Semester

4- Unit hours

|                 |             |             |              |                    |
|-----------------|-------------|-------------|--------------|--------------------|
| Credit Hours: 3 | Lectures: 1 | Tutorial: 4 | Practical: - | Pre-requisite: 424 |
|-----------------|-------------|-------------|--------------|--------------------|

5-Names of lecturers contributing to the delivery of the course

Dr. Amira Gouhar

6-Course coordinator: Dr. Amira Gouhar

7-External evaluator: None

#### B- Statistical Information

No. of students attending the course (Fall) : No.  %

#### Results:

|        | No. | %   |
|--------|-----|-----|
| Passed | 269 | 100 |
| Failed | 0   | 0   |

#### Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 22          | 8.17  |
| A     | 29          | 10.78 |
| A-    | 40          | 14.86 |
| B+    | 32          | 11.89 |
| B     | 34          | 12.63 |
| C+    | 27          | 10    |
| C     | 23          | 8.5   |
| D+    | 31          | 11.5  |
| D     | 16          | 5.9   |
| D-    | 9           | 3.34  |

No. of students attending the course (Summer) : No. 11 % 100

**Results:**

|               | No. | %   |
|---------------|-----|-----|
| <b>Passed</b> | 11  | 100 |
| <b>Failed</b> | 0   | 0   |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| A-    | 2           | 18.18 |
| B+    | 1           | 9.09  |
| B     | 4           | 36.36 |
| C+    | 1           | 9.09  |
| C     | 1           | 9.09  |
| D-    | 2           | 18.18 |

**C- Professional Information**

**1 – Course teaching**

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1-Basics of building system & materials                              | 2             |                |                 |
| 2-Relationship between the structural system & architectural design. | 2             |                |                 |
| 3-Introduction to traditional and advanced construction systems.     | 2             |                |                 |
| 4-Concepts of Form work.   | 2             |                |                 |
| 5-Concepts of concrete industry.                                     | 2             |                |                 |
| 6-Concrete tests.  | 2             |                |                 |
| 7-Mid-Term Exam  | 2             |                |                 |
| 8-Mechanization of skeleton construction and foundation works.       | 2             |                |                 |
| 9-Lift slab.   | 2             |                |                 |
| 10-Tilt- up construction.  | 2             |                |                 |
| 11-Vertical slip for system.   | 2             |                |                 |
| 12-Tunnel system.  | 2             |                |                 |

|  |           |  |  |
|--|-----------|--|--|
| 13-Concrete additives and epoxy materials. | 2         |  |  |
| 14-Paints and proofing materials.          | 2         |  |  |
| 15-Paints and proofing materials.          | 2         |  |  |
| <b>Total hours</b>                         | <b>30</b> |  |  |

**Topics taught as a percentage of the content specified:**

>90 %  70-90 % <70%

**Reasons in detail for not teaching any topic**

None

**If any topics were taught which are not specified, give reasons in detail**

None

**2- Teaching and learning methods:**

**Lectures:**

**Practical training/ laboratory:**

**Seminar/Workshop:**

**Class activity:**

**Researches:**

**Other assignments/homework:**

**If teaching and learning methods were used other than those specified, list and give reasons:**

None

3- Student assessment:

| Method of assessment | Percentage of total              |
|----------------------|----------------------------------|
| Final exam           | <input type="text" value="70%"/> |
| Semester work        | <input type="text" value="20%"/> |
| Midterm exam         | <input type="text" value="10%"/> |
| Total                | 100 %                            |

Members of examination committee: Dr. Amira Abd-El Aziz

Role of external evaluator

None

4- Facilities and teaching materials:

|                         |                                     |
|-------------------------|-------------------------------------|
| Totally adequate        | <input checked="" type="checkbox"/> |
| Adequate to some extent | <input type="checkbox"/>            |
| Inadequate              | <input type="checkbox"/>            |

List any inadequacies

None

5- Administrative constraints

List any difficulties encountered

None

**6- Student evaluation of the course:**

**Response of course team**

**List any criticisms**

1. what is the relation between this course & architecture
- 2.

A student of architecture should gain basic knowledge about civil eng. Courses for the interrelation between both work

**7- Comments from external evaluator(s):**

**Response of course team**

**8- Course enhancement:**

**Progress on actions identified in the previous year's**

**a  
ction plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016 – 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator: Dr. Amira Abd El Aziz**

**Signature:**

**Date:** August 2017

## 512 Building Regulations & Professional Practice

### Annual Course Report

Academic Year 2016 - 2017

#### A- Basic Information

3- Title and code : ARC 512 Building Regulations & Professional Practice

4- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Senior 2 - Level 4 - 9th Semester

4- Unit hours

|                 |            |             |              |                        |
|-----------------|------------|-------------|--------------|------------------------|
| Credit Hours: 2 | Lectures:2 | Tutorial: - | Practical: - | Pre-requisite: ARC 413 |
|-----------------|------------|-------------|--------------|------------------------|

5-Names of lecturers contributing to the delivery of the course

Dr. Said Abd Elkhalek

6-Course coordinator: Dr. Said Abd Elkhalek

7-External evaluator: None

#### B- Statistical Information

No. of students attending the course (Fall) : No.  %

Results:

|        | No. | %  |
|--------|-----|----|
| Passed | 295 | 99 |
| Failed | 3   | 1  |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 4           | 1.34  |
| A     | 14          | 4.69  |
| A-    | 37          | 12.4  |
| B+    | 49          | 16.4  |
| B     | 64          | 21.4  |
| C+    | 55          | 18.45 |
| C     | 30          | 10    |
| D+    | 20          | 6.7   |
| D     | 12          | 4     |
| D-    | 10          | 3.35  |



|   |   |   |
|---|---|---|
| F | 3 | 1 |
|---|---|---|

No. of students attending the course (SPRING) : No.  %

Results:

|               | No. | %      |
|---------------|-----|--------|
| <b>Passed</b> | 334 | 98.503 |
| <b>Failed</b> | 5   | 1.497  |

Grading of successful students

| Grade | Student No. | %      |
|-------|-------------|--------|
| A+    | 36          | 10.778 |
| A     | 59          | 17.665 |
| A-    | 58          | 17.365 |
| B+    | 61          | 18.263 |
| B     | 47          | 14.072 |
| C+    | 31          | 9.281  |
| C     | 13          | 3.892  |
| D+    | 8           | 2.395  |
| D     | 9           | 2.695  |
| D-    | 7           | 2.096  |
| F     | 5           | 1.497  |

No. of students attending the course (Summer) : No.  %

Results:

|               | No. | %   |
|---------------|-----|-----|
| <b>Passed</b> | 3   | 100 |
| <b>Failed</b> | 0   | 0   |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 1           | 33.33 |
| A     | 2           | 66.67 |

## C- Professional Information

### 1 – Course teaching

| Topic  | Lecture hours | Tutorial hours | Practical hours |
|--|---------------|----------------|-----------------|
| 1-Introduction on the professional and legal responsibilities of the architect | 2             |                |                 |
| 2-Building Regulations   | 2             |                |                 |
| 3-Legislations& rules for Building   | 2             |                |                 |
| 4-Regulations for urban planning   | 2             |                |                 |
| 5-Legislations for urban planning  | 2             |                |                 |
| 6-Rules for urban planning   | 2             |                |                 |
| 7-Mid-term exam  | 2             |                |                 |
| 8-The architects' legal responsibilities                                       | 2             |                |                 |
| 9-The contractors' legal responsibilities.                                     | 2             |                |                 |
| 10-Responsibility for design and construction                                  | 2             |                |                 |
| 11-Relation Between the owners , the architect and the contractor              | 2             |                |                 |
| 12-Principles of professional practice - Scope of work                         | 2             |                |                 |
| 13-Principles of professional practice - Fees – Tenders                        | 2             |                |                 |
| 14-Contracts between owners and architect and contractor                       | 2             |                |                 |
| 15-Conclusion on the course  | 2             |                |                 |
| <b>Total hours</b>   | <b>30</b>     |                |                 |

Topics taught as a percentage of the content specified:

>90 %  100 70-90 %

<70%



Reasons in detail for not teaching any topic

None

If any topics were taught which are not specified, give reasons in detail

None

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Researches:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment:

| Method of assessment | Percentage of total              |
|----------------------|----------------------------------|
| Final exam           | <input type="text" value="70%"/> |
| Term papers          | <input type="text" value="20%"/> |
| Midterm exam         | <input type="text" value="10%"/> |
| Total                | 100 %                            |

Members of examination committee: Dr. Saed Abd El khalek

Role of external evaluator: None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies

**5- Administrative constraints**

**List any difficulties encountered**

None

**6- Student evaluation of the course:**

**Response of course team**

**List any criticisms**

1. theoretical course has no practical application
- 2.

It is theoretical discussions, but it's deeply related to building & construction issues

**7- Comments from external evaluator(s):**

**Response of course team**

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion**

None

**9- Action plan for academic year 2016 – 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:** Dr saed abd el khalek

**Signature:**

**Date:** August 2017

## ARC 434 Modular Coordination

### Annual Course Report

Academic Year 2016 - 2017

#### A- Basic Information

5- Title and code : ARC 434 Modular Coordination

6- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Senior 2 - Level 4 - 9th Semester

4- Unit hours

|                 |            |             |              |                        |
|-----------------|------------|-------------|--------------|------------------------|
| Credit Hours: 2 | Lectures:2 | Tutorial: - | Practical: - | Pre-requisite: ARC 312 |
|-----------------|------------|-------------|--------------|------------------------|

5-Names of lecturers contributing to the delivery of the course

Dr. Faten Salah

6-Course coordinator: Dr. Faten Salah

7-External evaluator: None

#### B- Statistical Information

No. of students attending the course (FALL) : No.  %

Results:

|        | No. | %     |
|--------|-----|-------|
| Passed | 267 | 99.26 |
| Failed | 2   | 0.74  |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A-    | 10          | 3.71  |
| B+    | 43          | 15.98 |
| B     | 61          | 22.67 |
| C+    | 60          | 22.30 |
| C     | 46          | 17.10 |
| D+    | 26          | 9.66  |
| D     | 10          | 3.71  |
| D-    | 11          | 4.1   |
| F     | 2           | 0.74  |

No. of students attending the course (SPRING) : No. 62 % 100

Results:

|        | No. | %   |
|--------|-----|-----|
| Passed | 62  | 100 |
| Failed | 0   | 0   |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 2           | 3.23  |
| A     | 7           | 11.29 |
| A-    | 10          | 16.13 |
| B+    | 11          | 17.74 |
| B     | 8           | 12.90 |
| C+    | 12          | 19.35 |
| C     | 8           | 12.90 |
| D+    | 2           | 3.23  |
| D-    | 2           | 3.23  |

No. of students attending the course (SUMMER) : No. 17 % 100

Results:

|        | No. | %   |
|--------|-----|-----|
| Passed | 17  | 100 |
| Failed | 0   | 0   |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 2           | 11.76 |
| A     | 4           | 23.53 |
| A-    | 2           | 11.76 |
| B+    | 4           | 23.53 |
| B     | 1           | 5.88  |
| C+    | 1           | 5.88  |
| C     | 1           | 5.88  |
| D+    | 2           | 11.76 |

## C- Professional Information

### 1 – Course teaching

| Topic   | Lecture hours | Tutorial hours | Practical hours |
|---|---------------|----------------|-----------------|
| 1. Meaning & purpose of modular coordination – An Introductionn | 2             |                |                 |
| 2. Measuring units & Measurement                                | 2             |                |                 |
| 3. modular coordination& Modules                                | 2             |                |                 |
| 4. Modules Types & its applications                             | 2             |                |                 |
| 5. Le Corbosier Module  | 2             |                |                 |
| 6. Modular coordination & mass production                       | 2             |                |                 |
| 7. Mid-Term Exam  | 2             |                |                 |
| 8. Application on Standardization process                       | 2             |                |                 |
| 9. Construction by Precast concrete units                       | 2             |                |                 |
| 10. Steel Construction  | 2             |                |                 |
| 11. Timber Construction   | 2             |                |                 |
| 12. Organization for Standardization & Quality control          | 2             |                |                 |
| 13. ISO Standards   | 2             |                |                 |
| 14. ISO Standards   | 2             |                |                 |
| 15. Research Presentations                                      | 2             |                |                 |
| <b>Total hours</b>  | <b>30</b>     |                |                 |

Topics taught as a percentage of the content specified:

>90 %  100 70-90 %

<70%



Reasons in detail for not teaching any topic

None

If any topics were taught which are not specified, give reasons in detail

None

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Researches:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:  
None

3- Student assessment:

| Method of assessment | Percentage of total              |
|----------------------|----------------------------------|
| Final exam           | <input type="text" value="70%"/> |
| Term papers          | <input type="text" value="20%"/> |
| Midterm exam         | <input type="text" value="10%"/> |
| Total                | 100 %                            |

Members of examination committee: Dr. Faten Salah

Role of external evaluator: None

4- Facilities and teaching materials:

Totally adequate

Adequate to some extent

Inadequate

List any inadequacies



**5- Administrative constraints**

List any difficulties encountered

None

**6- Student evaluation of the course:**

**Response of course team**

List any criticisms

1. theoretical course has no practical application

It is theoretical discussions, but it's deeply related to building & construction issues

2.

**7- Comments from external evaluator(s):**

**Response of course team**

**8- Course enhancement:**

Progress on actions identified in the previous year's action plan:

Action State whether or not completed and give reasons for any non-completion

None

**9- Action plan for academic year 2016 – 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator: Dr. Faten Salah**

**Signature:**

**Date:** August 2017

## ARC 532 Computer in Architecture

### Annual Course Report

Academic Year 2016 - 2017

#### A- Basic Information

7- Title and code : ARC 532 Computer in Architecture

8- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Senior 2 - Level 4 - 9th Semester

4- Unit hours

|                 |            |             |              |                        |
|-----------------|------------|-------------|--------------|------------------------|
| Credit Hours: 2 | Lectures:2 | Tutorial: - | Practical: - | Pre-requisite: ARC 314 |
|-----------------|------------|-------------|--------------|------------------------|

5-Names of lecturers contributing to the delivery of the course

Dr. Hossam Moftah

6-Course coordinator: Dr. Hossam Moftah

7-External evaluator: None

#### B- Statistical Information

No. of students attending the course (Fall) : No.  %

Results:

|        | No. | %     |
|--------|-----|-------|
| Passed | 272 | 97.06 |
| Failed | 8   | 2.94  |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 4           | 1.47  |
| A     | 24          | 8.82  |
| A-    | 37          | 13.6  |
| B+    | 41          | 15    |
| B     | 44          | 16.2  |
| C+    | 35          | 12.86 |
| C     | 28          | 10.29 |
| D+    | 27          | 9.92  |
| D     | 15          | 5.51  |
| D-    | 9           | 3.3   |

|   |   |      |
|---|---|------|
| F | 8 | 2.94 |
|---|---|------|

No. of students attending the course (SPRING) : No. 29 % 100

Results:

|        | No. | %     |
|--------|-----|-------|
| Passed | 26  | 89.65 |
| Failed | 3   | 10.35 |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 1           | 3.45  |
| A     | 1           | 3.45  |
| A-    | 2           | 6.89  |
| B+    | 3           | 10.35 |
| B     | 1           | 3.45  |
| C+    | 5           | 17.24 |
| C     | 3           | 10.35 |
| D+    | 3           | 10.35 |
| D     | 4           | 13.79 |
| D-    | 3           | 10.35 |
| F     | 3           | 10.35 |

No. of students attending the course (Summer) : No. 14 % 100

Results:

|        | No. | %   |
|--------|-----|-----|
| Passed | 14  | 100 |
| Failed | 0   | 0   |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 3           | 21.43 |
| A     | 1           | 7.14  |
| B+    | 2           | 14.29 |
| B     | 2           | 14.29 |
| C+    | 1           | 7.14  |
| C     | 2           | 14.29 |
| D+    | 3           | 21.43 |

## C- Professional Information

### 1 – Course teaching

| Topic   | Lecture hours | Tutorial hours | Practical hours |
|---|---------------|----------------|-----------------|
| 1-Computers Introduction and Its Components   | 2             |                |                 |
| 2-Programming language  | 2             |                |                 |
| 3-Definition to the computers capability In architectural and urban fields            | 2             |                |                 |
| 4-Definition to the computers capability In architectural and urban fields            | 2             |                |                 |
| 5-Problems definition & design needs  | 2             |                |                 |
| 6-Computers usage In programming Architects design                                    | 2             |                |                 |
| 7-Mid Term Exam   | 2             |                |                 |
| 8-Techniques and Applications which give an efficient using In program Analysis steps | 2             |                |                 |
| 9-Techniques and Applications which give an efficient using In program Analysis steps | 2             |                |                 |
| 10-Designs and its evaluation   | 2             |                |                 |
| 11-Preparing the two & three Dimension Drawing and Its calculation                    | 2             |                |                 |
| 12-Preparing the two & three Dimension Drawing and Its calculation                    | 2             |                |                 |
| 13-Preparing the two & three Dimension Drawing and Its calculation                    | 2             |                |                 |
| 14-Preparing the two & three Dimension Drawing and Its calculation                    | 2             |                |                 |
| 15-Project evaluation.  | 2             |                |                 |
| <b>Total hours</b>  | <b>30</b>     |                |                 |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic

None

If any topics were taught which are not specified, give reasons in detail

None

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Researches:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

None

3- Student assessment:

| Method of assessment | Percentage of total              |
|----------------------|----------------------------------|
| Final exam           | <input type="text" value="70%"/> |
| Term papers          | <input type="text" value="20%"/> |
| Midterm exam         | <input type="text" value="10%"/> |
| Total                | 100 %                            |

Members of examination committee: Dr. Hossam Mofteh

Role of external evaluator None

4- Facilities and teaching materials:

- Totally adequate
- Adequate to some extent
- Inadequate
- List any inadequacies  None

5- Administrative constraints

List any difficulties encountered

None

6- Student evaluation of the course:

Response of course team

List any criticisms

1. theoretical course has no practical application
- 2.

It is theoretical discussions, but it's deeply related to building & construction issues

7- Comments from external evaluator(s):

Response of course team

8- Course enhancement:

Progress on actions identified in the previous year's action plan:

Action State whether or not completed and give reasons for any non-completion

None

9- Action plan for academic year 2016 – 2017

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1.               |                 |                    |
| 2.               |                 |                    |

**Course coordinator:** Dr Hossam Mofteh

**Signature:**

**Date:** August 2017

## ARC 513 Quantities & Contracts-a

### Annual Course Report

#### Academic year 2015-2016

#### A- Basic Information

- 1- Title and code: (ARC 513) Quantities & Contracts-a
- 2- Program(s) on which this course is given: Architectural engineering
- 3- Year/Level of program: Fifth Year
- 4- Unit hours

Lectures  Tutorial  Practical  Total

- 5- Names of lecturers contributing to the delivery of the course

Dr. saed abd el khalek – Dr Ayman Ezat -  
 Course coordinator Dr. saed abd el khalek  
 External evaluator

#### B- Statistical Information

No. of students attending the course (Spring) : No.  %

#### Results:

|               | No. | %    |
|---------------|-----|------|
| <b>Passed</b> | 275 | 98.2 |
| <b>Failed</b> | 5   | 1.80 |

#### Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 1           | 0.36  |
| A     | 16          | 5.71  |
| A-    | 32          | 11.43 |
| B+    | 40          | 14.28 |
| B     | 40          | 14.28 |
| C+    | 48          | 17.14 |
| C     | 38          | 13.57 |
| D+    | 33          | 11.78 |
| D     | 15          | 5.36  |
| D-    | 12          | 4.28  |

|   |   |      |
|---|---|------|
| F | 5 | 1.80 |
|---|---|------|

No. of students attending the course (Summer) : No. 2 % 100

Results:

|        | No. | %   |
|--------|-----|-----|
| Passed | 2   | 100 |
| Failed | 0   | 0   |

Grading of successful students

| Grade | Student No. | %  |
|-------|-------------|----|
| B     | 1           | 50 |
| C     | 1           | 50 |

### C- Professional Information

#### 1 – Course teaching

| Topic Actually taught  | No. of hours | Lecturer                    |
|--|--------------|-----------------------------|
| • Tender documents components.   | 3            | Dr. Dr. saeed abd el khalek |
| • General & special conditions for engineering projects.                             | 3            |                             |
| • Structural, Fire fighting, sanitary, Fire alarm, electricity, HVAC works drawings. | 12           |                             |
| • Ordinary & reinforced concrete specifications & BOQ.                               | 6            |                             |
| • Concrete insulation specification & BOQ.   | 3            |                             |
| • Masonry work specifications & BOQ.   | 6            |                             |
| • Cement plaster specifications & BOQ.   | 6            |                             |
| • Wall & ceiling painting specifications & BOQ.                                      | 6            |                             |
| <b>Total</b>   | <b>60</b>    |                             |

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%



Reasons in detail for not teaching any topic Non

If any topics were taught which are not specified, give reasons in detail Non, all of the missed teaching hours were substituted.

## 2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

### Seminar/Workshop:

One Seminar was arranged by the students:

- (i) Ordinary & reinforced concrete.

### Class activity:

Case Study:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

## 3- Student assessment:

| Method of assessment         | Percentage of total                |
|------------------------------|------------------------------------|
| Written examination          | <input type="text" value="-----"/> |
| Oral examination             | ----                               |
| Practical/laboratory work    | <input type="text" value="-----"/> |
| Other assignments/class work | <input type="text" value="10 %"/>  |
| Mid-Term Exam                | <input type="text" value="-----"/> |
| Total                        | 10%                                |

Members of examination committee: Dr. Dr. saed abd el khalek

Role of external evaluator None

4- Facilities and teaching materials:

Totally adequate:  Yes

Adequate to some extent

Inadequate

List any inadequacies  None

5- Administrative constraints

List any difficulties encountered

6- Student evaluation of the course:

Response of course team

List any criticisms

None

7- Comments from external evaluator(s):

Response of course team

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan: None

Action State whether or not completed and give reasons for any non-completion None

9- Action plan for academic year 2016 – 2017

Actions required

Completion date

Person responsible

None

Course coordinator: Dr. Dr. saed abd el khalek

Signature:

Date: August 2017

## ARC 511 Working Drawing & Construction Documents

### Annual Course Report

Academic year 2016 - 2017

#### A- Basic Information

1- Title and code : ARC 511 Working Drawing & Construction Documents

1- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Senior 2 - Level 4 - 9th Semester

4- Unit hours

|               |           |             |              |                    |
|---------------|-----------|-------------|--------------|--------------------|
| Credit Hours: | Lectures: | Tutorial: - | Practical: - | Pre-requisite: ARC |
|---------------|-----------|-------------|--------------|--------------------|

5-Names of lecturers contributing to the delivery of the course

Dr. Magdy Tamam – Dr. Amr Moatasm

6-Course coordinator: Dr. Magdy Tamam

7-External evaluator: None

#### B- Statistical Information

No. of students attending the course (Spring) : No.  %

Results:

|        | No. | %   |
|--------|-----|-----|
| Passed | 258 | 100 |
| Failed | 0   | 0   |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 6           | 2.33  |
| A     | 8           | 3.10  |
| A-    | 18          | 6.97  |
| B+    | 29          | 11.24 |
| B     | 33          | 12.79 |
| C+    | 60          | 23.25 |
| C     | 45          | 17.44 |
| D+    | 32          | 12.40 |

|    |    |      |
|----|----|------|
| D  | 15 | 5.81 |
| D- | 12 | 4.65 |

No. of students attending the course (Summer) : No. 2 % 100

**Results:**

|               | No. | %   |
|---------------|-----|-----|
| <b>Passed</b> | 2   | 100 |
| <b>Failed</b> | 0   | 0   |

**Grading of successful students**

| Grade | Student No. | %  |
|-------|-------------|----|
| B     | 1           | 50 |
| C     | 1           | 50 |

**C- Professional Information**

**1 – Course teaching**

| Topic Actually Taught  | Lecture hours | Tutorial hours | Lecturer               |
|--|---------------|----------------|------------------------|
| • Revision and Working drawings importance   | 6             |                | Prof. Dr. Magdy Tammam |
| • Project Determination and Preparing software   | 6             |                |                        |
| • . Layout Working Drawing studies   | 12            |                |                        |
| • Plans (advanced working Drawings studies).   | 12            |                |                        |
| • Advanced structure systems<br>(meshes – trusses – shell -cables-space structures)                              | 6             |                |                        |
| • Advanced Escalators , Stairs and Elevators designing and construction studies                                  | 6             |                |                        |
| • Methods of choosing and applying advanced finishing materials using ( green materials )                        | 6             |                |                        |
| • Special doors "revolving – sliding – electrical ....."& Windows<br>(Curtain walls - aluminum glassing systems) | 6             |                |                        |
| • Sections (advanced working drawing studies) .  | 6             |                |                        |
| • Advanced roofing and skylight systems  | 6             |                |                        |
| • Theater and cinema design in plan and section  | 6             |                |                        |
| • Sport and lecture halls (vision – sound – light – A. C. )  | 6             |                |                        |

|  |            |  |
|--|------------|--|
| • Elevations for complex and high-tech buildings   | 6          |  |
| <b>1st Semester Total hours</b>  | <b>90</b>  |  |
| • Drawing sanitary, electrical, mechanical networks and facilities ( Symbols - theories - construction ) | 6          |  |
| • Stairs work shop drawings  | 6          |  |
| • Bathes work shop drawings  | 6          |  |
| • Project & Quality control ( checklists and revision methods)   | 6          |  |
| • Project & Defectives Correction  | 6          |  |
| • Presentation and defense for working drawing project.  | 6          |  |
| • Revision on 1st term   | 6          |  |
| • Site Documentations  | 12         |  |
| • Site Documentations  | 6          |  |
| • Cost analysis  | 6          |  |
| • Cost estimation  | 6          |  |
| • Tender documents "Quality control – ADM ..."   | 6          |  |
| • Tender recommendations "owner designer ....."  | 6          |  |
| • Recapitulation   | 6          |  |
| <b>2nd Semester Total hours</b>  | <b>90</b>  |  |
| <b>Academic Year Total hours</b>   | <b>180</b> |  |

Topics taught as a percentage of the content specified:

>90 %  70-90 %  <70%

Reasons in detail for not teaching any topic Non

If any topics were taught which are not specified, give reasons in detail Non,

all of the missed teaching hours were substituted, in addition to the seminars arranged during the students free day.

## 2- Teaching and learning methods:

Lectures:

- 1- Traditional lecturing using the white board and illustration methods and tools.
- 2- Working drawings project
- 3- Class and Homework exercises.
- 4- Market and sites researches
- 5- Case studies, solution of problems.

**Seminar/Project:**

- \* Working drawings for High-tech Complex Project as a case study.
- \* Advanced Structure Systems Research.
- \* Advanced Building materials - market research
  - Interior and Exterior Finishing materials and applying methods.
  - Roofing's.
  - Landscape.
  - Green Materials.
  - LEED Rating systems.

**Class activity:**

1st Semester

**1 –Tools**

|                                       |  |
|---------------------------------------|--|
| Assignments & term papers to measure: | Content of A1 to A5, B1 to B4, C2 to C4 and D1 to D3 |
| Mid-Term exam to measure              | Content of items A1 to A3, B1 to B3 and C1 to C3     |
| Practical exams to measure            | Content of A1 to A3 , C2 and C3                      |
| Final written exam to measure         | Non for the first term                               |

**2 -Time schedule:**

|                             |                                      |
|-----------------------------|--------------------------------------|
| Assignments and term papers | Bi-weekly class and home exercises . |
| Mid-term exam               | At class                             |
| Practical exam              | Non                                  |
| Final exam                  | Non                                  |

**3- Grading system**

|                             |           |
|-----------------------------|-----------|
| Attendance                  | 10 points |
| Assignments and term papers | 20 points |

|                |           |               |          |
|----------------|-----------|---------------|----------|
| Researches     | 10        | points        |          |
| Mid-term exam  | 10        | points        | at class |
| Practical exam | -         | points        |          |
| Final exam     | -         | points        |          |
| <b>Total</b>   | <b>50</b> | <b>points</b> |          |

2<sup>nd</sup> Semester

**1 – Tools**

|  |  |
|--|--|
| <b>Assignments &amp; term papers to measure:</b> | Content of A1 to A5, B1 to B4, C1 to C4 and D1 to D3 |
| <b>Mid-Term exam to measure</b>                  | Content of items A1 to A3, B1 to B3 and C1 to C3     |
| <b>Practical exams to measure</b>                | Content of A1 to A3 , C2 and C3                      |
| <b>Final written exam to measure</b>             | Content of A1 to A5, B1 to B4, C1 to C5 and D1 to D3 |

**2 - Time schedule:**

|                             |                                     |
|-----------------------------|-------------------------------------|
| Assignments and term papers | Bi-weekly class and home exercises. |
| Mid-term exam               | Eighth week                         |
| Practical exam              | Fifteenth Week                      |
| Final exam                  | Sixteenth week                      |

**3 - Grading system**

|                             |  |               |
|-----------------------------|--|---------------|
| Attendance                  | 10   | points        |
| Assignments and term papers | 20   | points        |
| Researches                  | 10   | points        |
| Mid-term exam               | 10   | points        |
| Practical exam (project )   | 20   | points        |
| Total 2 <sup>nd</sup> term  | <b>70</b>  | <b>points</b> |
| Final exam                  | 80   | points        |
| Total                       | 1 <sup>st</sup> and 2 <sup>nd</sup> Semesters = 200 points |               |

**Case Study:** Selected case studies

**Other assignments/homework:** Bi-weekly assignments

If teaching and learning methods were used other than those specified, list and give reasons:

Non

3- Student assessment:

| Method of assessment         | Percentage of total |
|------------------------------|---------------------|
| Written examination          | 40 %                |
| Oral examination             | ----                |
| Practical/laboratory work    | 0 %                 |
| Other assignments/class work | 50%                 |
| Mid-Term Exam                | 10 %                |
| <b>Total</b>                 | <b>100 %</b>        |

Members of examination committee Dr. Magdy Tammam

Role of external evaluator Non

4- Facilities and teaching materials:

- Design studio equipped with drawing boards, overhead projector and Data show.
- Resources available in the library.
- Computer lab with CAD software and Internet connection.
- Field and Construction sites visits and up-to-date materials researches.

Totally adequate Yes.

Adequate to some extent .....



Inadequate .....

List any inadequacies Non

**5- Administrative constraints**

List any difficulties encountered Non

**6- Student evaluation of the course:**

**Response of course team**

List any criticisms

- |     |   |  |
|-----|---|--|
| (a) | It is recommended to increase the teaching hours of this course                                 | The teaching hours are determined by the curriculum approved by the supreme council of higher institutes |
| (b) | It is recommended to add more teaching hours for the seminars and consider it in the evaluation | The seminars are evaluated by additional degrees included in the teacher opinion                         |

**7- Comments from external evaluator(s):**

**Response of course team**

Non

**8- Course enhancement:**

**Progress on actions identified in the previous year's action plan:**

**Action State whether or not completed and give reasons for any non-completion** Non

**9- Action plan for academic year 2016 - 2017**

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| Non              |                 |                    |

**Course coordinator:** Prof. Dr. Magdy Tammam

**Signature:**

**Date:** August 2017

## ARC 540 History & Theory of Architecture (4)

### Annual Course Report

Academic year 2016 - 2017

#### A- Basic Information

1- Title and code: (ARC 540) History & Theory of Architecture (4)

1- Program(s) on which this course is given:

Architecture Engineering and Building Technology

3- Year/Level of program: Senior 2 -Level 4 - 9th Semester

4- Unit hours

|                 |             |             |              |                    |
|-----------------|-------------|-------------|--------------|--------------------|
| Credit Hours: 2 | Lectures: 2 | Tutorial: - | Practical: - | Pre-requisite: ARC |
|-----------------|-------------|-------------|--------------|--------------------|

5-Names of lecturers contributing to the delivery of the course

Prof.Dr. Reham Momtaz

6-Course coordinator: Prof.Dr. Reham Momtaz

7-External evaluator: None

#### B- Statistical Information

No. of students attending the course (Spring) : No. 261 % 100

#### Results:

|        | No. | %     |
|--------|-----|-------|
| Passed | 259 | 99.23 |
| Failed | 2   | 0.77  |

#### Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A+    | 7           | 2.68  |
| A     | 22          | 8.43  |
| A-    | 47          | 18.0  |
| B+    | 46          | 17.63 |
| B     | 41          | 15.71 |
| C+    | 38          | 14.56 |
| C     | 28          | 10.73 |
| D+    | 14          | 5.36  |
| D     | 9           | 3.45  |
| D-    | 7           | 2.68  |

|   |   |      |
|---|---|------|
| F | 2 | 0.77 |
|---|---|------|

No. of students attending the course (Summer) : No. 7 % 100

Results:

|        | No. | %   |
|--------|-----|-----|
| Passed | 7   | 100 |
| Failed | 0   | 0   |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A-    | 2           | 28.57 |
| B+    | 2           | 28.57 |
| B     | 2           | 28.57 |
| D-    | 1           | 14.28 |

## C- Professional Information

### 1 – Course teaching

| Topic Actually taught  | No. of hours | Lecturers         |
|--|--------------|-------------------|
| <ul style="list-style-type: none"> <li>General introduction for the course</li> </ul>  | 4            | Dr / Reham Momtaz |
| <ul style="list-style-type: none"> <li><b>Mechanical analogy:</b>Futurism- De stijl-Constructivism – Expressionism</li> </ul>  | 4            |                   |
| <ul style="list-style-type: none"> <li><b>Architecture of Modernism Analyzing characteristics of:</b> International Style / SIAM Group /Organic Architecture / Functions</li> </ul>  | 4            |                   |
| <ul style="list-style-type: none"> <li><b>Continue- Architecture of Modernism: Analyzing landmark projects of the Pioneer:</b> Frank Lloyd Write / Le Corbusier</li> </ul>   | 4            |                   |
| <ul style="list-style-type: none"> <li><b>Continue- Architecture of Modernism: Analyzing landmark projects of the Pioneers</b>Mies van der Rohe / Walter Gropius</li> </ul>  | 4            |                   |
| <ul style="list-style-type: none"> <li><b>Architecture of Late Modernism Analyzing characteristics of:</b>Expressionism / Brutalism<br/><b>Analyzing projects of American Architects:</b> Paul Rudolph / Lois Khan / Alvar Alto</li> </ul> | 4            |                   |
| <ul style="list-style-type: none"> <li><b>Continue- Architecture of Late Modernism: Metabolism / Archigram Analyzing projects of the Japanese Architects:</b>KenzoTange / KishoKurokawa</li> </ul>   | 4            |                   |

|   |           |  |
|---|-----------|--|
| <ul style="list-style-type: none"> <li>• <b>Continue- Architecture of Late Modernism:</b> Trend of Hi-Tech Architecture<br/> <b>Analyzing landmark projects of Architects:</b> <i>Richard Rogers / Renzo Piano / Norman Foster / Nicolas Grimshaw.</i></li> </ul>                     | 4         |  |
| <ul style="list-style-type: none"> <li>• <b>Architecture of Post Modernism :</b>Neo Classicism / Historicism / Revivalism /Metaphors<br/> <b>Analyzing projects of the American Architects:</b><br/> <i>Robert Venturi / Philip Johnson /Charles Moore/ Michael Graves</i></li> </ul> | 4         |  |
| <ul style="list-style-type: none"> <li>• <b>Continue- Architecture of Post Modernism:</b><br/>                     Trend of Deconstruction Architecture<br/> <b>Analyzing landmark projects of Architect:</b> <i>Daniel Libeskind</i></li> </ul>                                      | 4         |  |
| <ul style="list-style-type: none"> <li>• <b>Continue- Architecture of Post Modernism:</b><br/>                     Trend of Deconstruction Architecture<br/> <b>Analyzing landmark projects of Architect:</b> <i>Frank O' Gehry / ZahaHadid / Bernard Tshumi</i></li> </ul>           | 4         |  |
| <ul style="list-style-type: none"> <li>• <b>Continue- Architecture of Deconstruction</b><br/> <b>Analyzing landmark projects of Architects:</b> <i>Peter Eisenman □□□ Maya Lynn /Coop Himmelblau</i></li> </ul>   | 4         |  |
| <ul style="list-style-type: none"> <li>• <b>Digital Presentation of the Final Researches:</b><br/>                     (Jury) : <i>Staff's Criticism / Evaluation for each Student</i></li> </ul>   | 4         |  |
| <ul style="list-style-type: none"> <li>• <b>Continue Students' Digital Presentation</b> of the their Researches</li> </ul>  | 4         |  |
| <b>Total hours</b>  | <b>60</b> |  |

Notice: Week7 is the date of Mid-Term Exam – took lecture of 2 hrs

Topics taught as a percentage of the content specified:

>90 %  100 70-90 %  <70%

Reasons in detail for not teaching any topic: Non

If any topics were taught which are not specified, give reasons in detail: Non

2- Teaching and learning methods:

Lectures:

Practical training/ laboratory :

Seminar/Workshop:  Yes

Class activity:

Quizzes (Drawing Sketches) + presenting digital researches by Data Show

Researches :  Yes

If teaching and learning methods were used other than those specified, list and give reasons:  
None

### 3- Student assessment:

| Method of assessment                                   | Percentage of total           |
|--|-------------------------------|
| Practical Year work (Quizzes, Researches & Attendance) | <input type="checkbox"/> 30 % |
| Final examination                                      | <input type="checkbox"/> 70 % |
| Total  | 100 %                         |

Members of examination committee: Dr. / Reham Momtaz

Role of external evaluator: None

### 4- Facilities and teaching materials:

Totally adequate  .Yes.

Adequate to some extent  .....

Inadequate



List any inadequacies: None

**5- Administrative constraints**

List any difficulties encountered:

Limitation of number of data show in the principal building

**6- Student evaluation of the course:**

**Response of course team**

List any criticisms

(a) It is recommended to give us the complete drawings of all chosen projects given in the course to be able to study them more easily and not to make more efforts to search for them through internet sites.

This problem had been solved by presenting the complete drawings of all the given projects in presentation of each lecture.

In addition, The course team give some projects ( not mentioned in the course book ) to let the students search for them on purpose to be good excavators for the certain data

**7- Comments from external evaluator(s):**

**Response of course team**

**8- Course enhancement:**

Progress on actions identified in the previous year's action plan:

**Actions required**

**Planned Completion date**

**Accomplishment**

3. Hang the excellent (Kept-Records)  
of researches in determined time

Sept. 2010

In Action -----

Action State whether or not completed and give reasons for any non-completion    None

9- Action plan for academic year 2016 – 2017

| Actions required | Completion date | Person responsible |
|------------------|-----------------|--------------------|
| 1. None          |                 |                    |

Course coordinator: Dr / Reham Momtaz

Signature:

Date:        August 2017

## ARC 551 Elective Course (Aesthetics of the composition)

### Annual Course Report

*Academic Year 2016 - 2017*

#### A- Basic Information

**2- Title and code:** ARC 551: Elective Course (Aesthetics of the composition)

**3- Program(s) on which this course is given:**

Architecture Engineering and Building Technology

**3- Year/Level of program:** Senior 2 -Level 4 - 9th Semester

**4- Unit hours**

|                 |             |             |              |                    |
|-----------------|-------------|-------------|--------------|--------------------|
| Credit Hours: 4 | Lectures: 2 | Tutorial: 2 | Practical: - | Pre-requisite: ARC |
|-----------------|-------------|-------------|--------------|--------------------|

**5-Names of lecturers contributing to the delivery of the course**

Dr. Amira Mostafa

**6-Course coordinator:** Dr. Amira Mostafa

**7-External evaluator:** None

#### B- Statistical Information

No. of students attending the course (Spring) : No. 101 % 100

#### Results:

|               | No. | %     |
|---------------|-----|-------|
| <b>Passed</b> | 101 | 94.06 |
| <b>Failed</b> | 6   | 5.94  |

#### Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A     | 1           | 0.99  |
| A-    | 5           | 4.95  |
| B+    | 1           | 0.99  |
| B     | 5           | 4.95  |
| C+    | 19          | 18.81 |
| C     | 15          | 14.85 |
| D+    | 19          | 18.81 |
| D     | 13          | 12.87 |



|    |    |       |
|----|----|-------|
| D- | 17 | 16.83 |
| F  | 6  | 5.94  |

No. of students attending the course (Summer) : No.  %

**Results:**

|               | No. | %  |
|---------------|-----|----|
| <b>Passed</b> | 3   | 50 |
| <b>Failed</b> | 3   | 50 |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| D+    | 1           | 16.67 |
| D-    | 2           | 33.33 |
| F     | 3           | 50    |

**C- Professional Information**

**1 – Course teaching**

| Topic Actually taught   | No. of hours | Lecturer       |
|---|--------------|----------------|
| 1-Sources of Architectural Aesthetics                                       | 2            | Dr Amir Mostaf |
| 2-Channels of Architectural Aesthetics                                      | 2            |                |
| 3- Introduction (spatial-tension-interlocking-harmony-gradation-contrast)   | 2            |                |
| 4-Formal approachinl (dominance -repetition balance)                        | 2            |                |
| 5-Values and order for Architectural Aesthetics                             | 2            |                |
| 6-Unity and continuity  | 2            |                |
| 7-Repouse-scale- rhythm-proportions   | 2            |                |
| 8-Theories geometric form   | 2            |                |
| 9-Organic morphology-sculpturesque form                                     | 2            |                |
| 10-The principles of the Aesthetics of composition in Architectural and art | 2            |                |

|   |   |  |
|---|---|--|
| 11-Relations between art and Architectural                    | 2 |  |
| 12-Intellectual of historical Architectural and technological | 2 |  |
| 13-Structural technological                                   | 2 |  |
| 14-Research for Architectural Aesthetics project              | 2 |  |
| 15-Research evaluation  | 2 |  |

Topics taught as a percentage of the content specified:

>90 %  100 70-90 %  <70%  ...

Reasons in detail for not teaching any topic None

If any topics were taught which are not specified, give reasons in detail Non, all of the missed teaching hours were substituted, in addition to the seminars arranged during the students free day.

## 2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Class activity:

Researches: Field study research, Library research

If teaching and learning methods were used other than those specified, list and give reasons:

3- Student assessment:

| Method of assessment | Percentage of total |
|----------------------|---------------------|
| Final examination    | 40 %                |
| Oral examination     | 5%                  |
| Drawing sheets       | 40 %                |
| Researches           | 5 %                 |
| Mid-Term Exam        | 10 %                |
| <b>Total</b>         | <b>100 %</b>        |

Members of examination committee Dr / Amira Mostafa

Role of external evaluator None

4- Facilities and teaching materials:

|                         |       |
|-------------------------|-------|
| Totally adequate        | Yes.  |
| Adequate to some extent | ..... |
| Inadequate              | ..... |
| List any inadequacies   | None  |

5- Administrative constraints

List any difficulties encountered: None

6- Student evaluation of the course:

Response of course team

List any criticisms

None

7- Comments from external evaluator(s):

Response of course team

None

8- Course enhancement:

Progress on actions identified in the previous year's action plan: Non

Action State whether or not completed and give reasons for any non-completion Non

9- Action plan for academic year 2016 – 2017

Actions required

Completion date

Person responsible

None

**Course coordinator:** Dr / Amira Mostafa

**Signature:**

**Date:** August 2017

## ARC 530 Urban and Environmental Conservation

### Annual Course Report

Academic year 2016 - 2017

#### A- Basic Information

1- **Title and code:** ARC 530: Urban and Environmental Conservation

2- **Program(s) on which this course is given:**

Architecture Engineering and Building Technology

3- **Year/Level of program:** Senior 2 -Level 4 - 9th Semester

4- **Unit hours**

|                 |             |             |              |                    |
|-----------------|-------------|-------------|--------------|--------------------|
| Credit Hours: 2 | Lectures: 2 | Tutorial: - | Practical: - | Pre-requisite: ARC |
|-----------------|-------------|-------------|--------------|--------------------|

5-**Names of lecturers contributing to the delivery of the course**

Dr. Asamer Zakaria

6-**Course coordinator:** Dr. Asamer Zakaria

7-**External evaluator:** None

#### B- Statistical Information

No. of students attending the course (Spring) : No. 216 % 100

Results:

|        | No. | %     |
|--------|-----|-------|
| Passed | 215 | 99.54 |
| Failed | 1   | 0.46  |

Grading of successful students

| Grade | Student No. | %     |
|-------|-------------|-------|
| A     | 6           | 2.78  |
| A-    | 11          | 5.09  |
| B+    | 38          | 17.59 |
| B     | 44          | 20.37 |
| C+    | 44          | 20.37 |
| C     | 34          | 15.74 |
| D+    | 19          | 8.79  |
| D     | 11          | 5.09  |
| D-    | 8           | 3.70  |
| F     | 1           | 0.46  |

No. of students attending the course (Summer) : No. **7** % **100**

**Results:**

|               | No. | %   |
|---------------|-----|-----|
| <b>Passed</b> | 7   | 100 |
| <b>Failed</b> | 0   | 0   |

**Grading of successful students**

| Grade | Student No. | %     |
|-------|-------------|-------|
| B+    | 2           | 28.57 |
| B     | 3           | 42.86 |
| C     | 1           | 14.28 |
| D     | 1           | 14.28 |

**C- Professional Information**

**1 - Course teaching**

| Topic Actually taught   | No. of hours | Lecturer           |
|---|--------------|--------------------|
| 1- Introduction to the field of urban and environmental conservation. (General definitions, terms, fundamentals and theories) | 2            | Dr. Asamer Zakarea |
| 2- Urban Conservation of Heritage sites.  | 2            |                    |
| 3- Issues and problems facing heritage sites  | 2            |                    |
| 4- The role of international institutions.  | 2            |                    |
| 5- A critical review of the international restoration and conservation charters   | 2            |                    |
| 6- Local and International Laws and rules concerning cultural heritage  | 2            |                    |
| 7- Cultural Heritage and Local Economic Development   | 2            |                    |
| 8- The role of participation and community involvement in Conservation  | 2            |                    |
| 9- urban revitalization of historic areas   | 2            |                    |
| 10- Rehabilitation of historic buildings  | 2            |                    |
| 11- Conservation economics and the debate between cultural and economic values  | 2            |                    |
| 12- The significance of public intervention in heritage   | 2            |                    |
| <b>Total</b>  | <b>30</b>    |                    |

Topics taught as a percentage of the content specified:

>90 %  70-90 % <70%

Reasons in detail for not teaching any topic Non

If any topics were taught which are not specified, give reasons in detail Non

## 2- Teaching and learning methods:

Lectures:

Practical training/ laboratory:

Seminar/Workshop:

Class activity:

Researches:

Other assignments/homework:

If teaching and learning methods were used other than those specified, list and give reasons:

## 3- Student assessment:

Method of assessment

Percentage of total

|                              |                                   |
|------------------------------|-----------------------------------|
| Written examination          | <input type="text" value="60 %"/> |
| Oral examination             | ----                              |
| Project                      | ----                              |
| Other assignments/class work | <input type="text" value="15 %"/> |
| Mid-Term Exam                | <input type="text" value="25 %"/> |
| Total                        | 20 %                              |

Members of examination committee      Dr. Asamer Zakarea

Role of external evaluator      None

4- Facilities and teaching materials:

Totally adequate     

Adequate to some extent     

Inadequate     

List any inadequacies     

5- Administrative constraints

List any difficulties encountered



6- Student evaluation of the course:

Response of course team

List any criticisms

None

7- Comments from external evaluator(s):

Response of course team

None

8- Course enhancement:

None

Action State whether or not completed and give reasons for any non-completion Non

9- Action plan for academic year 2016 – 2017

| Actions required   | Completion date | Person responsible        |
|--|-----------------|---------------------------|
| 1- Giving more researches that encourage the students to learn better about conservation problems in reality & how to give alternatives for solutions & application.<br>2- Giving more case studies or lectures concerning the conservation styles in order to make the student capable of applying the lectures in reality. | Annually        | Senior teaching assistant |

Course coordinator: Dr. Asamer Zakarea

Signature:

Date: August 2017