**American University of Madaba**
www.aum.edu.jo
**Faculty of Architecture and Design**
**Department of Architecture**
**Course Curriculum 176 Credit Hours**

## I: University Requirements: 25 Credit Hours

**A. Remedial Requirements (0 Credit Hours):** Students must sit for placement tests in English, Arabic, and Computer. Students who fail any of these tests are required to take the corresponding remedial course 0900099, 0900097, or 0900096, respectively.

### B. University Compulsory Course Requirements: 12 Credit Hours

| Course No | Course Title | Credit Hours | Contact Hours | | Prerequisite |
|---|---|---|---|---|---|
| | | | Lecture | Lab | |
| 0900101 | Sports (1) | 1 | 0 | 3 | - |
| 0900103 | Swimming | 1 | 0 | 2 | - |
| 0900110 | Cultural Development (1) | 1 | 0 | 2 | - |
| 0900111 | Military Science* | 3 | 3 | 0 | - |
| 0900130 | English Communication Skills (1) | 3 | 3 | 0 | 0900099** |
| 0900131 | English Communication Skills (2) | 3 | 3 | 0 | 0900130 |

\* Non-Jordanian students may take a university elective course instead.
\*\* Or passing the placement test.

### C. University Elective Course Requirements: 13 Credit Hours

**Humanities:** 7 Credit Hours

| Course No | Course Title | Credit Hours | Contact Hours | | Prerequisite |
|---|---|---|---|---|---|
| | | | Lecture | Lab | |
| 0900113 | Interpersonal and Intercultural Communication | 3 | 3 | 0 | - |
| 0900117 | Civic Awareness | 3 | 3 | 0 | - |
| 0900120 | Arabic Communication Skills | 3 | 3 | 0 | 0900097* |
| 0900140 | Appreciation of Art | 3 | 3 | 0 | - |
| 0900141 | Appreciation of Music | 3 | 3 | 0 | - |
| 0900163 | Modern life skills | 3 | 3 | 0 | - |
| 0900164 | Creativity and Innovation | 3 | 3 | 0 | - |
| 0900201 | Sports (2) | 1 | 0 | 3 | 0900101 |
| 0900202 | Sports (3) | 1 | 0 | 3 | 0900201 |
| 0900210 | Cultural Development (2) | 1 | 0 | 2 | 0900110 |
| 0900211 | Cultural Development (3) | 1 | 0 | 2 | 0900210 |

\* Or passing the placement test.

**Social and Economic Sciences:** 3 Credit Hours

| Course No | Course Title | Credit Hours | Contact Hours | | Prerequisite |
|---|---|---|---|---|---|
| | | | Lecture | Lab | |
| 0900114 | Civilization and Thought | 3 | 3 | 0 | - |
| 0900115 | Social Ethics | 3 | 3 | 0 | - |
| 0900150 | Introduction to Economics* | 3 | 3 | 0 | - |
| 0900160 | Entrepreneurship and Enterprises | 3 | 3 | 0 | - |

\* Not for Business and Finance Students

**Science, Technology, Agriculture and Health:** 3 Credit Hours

| Course No | Course Title | Credit Hours | Contact Hours | | Prerequisite |
|---|---|---|---|---|---|
| | | | Lecture | Lab | |
| 0900116 | Bio-Ethics | 3 | 3 | 0 | - |
| 0900170 | Energy and the Environment | 3 | 3 | 0 | - |
| 0900171 | Science and Society | 3 | 3 | 0 | - |
| 0900180 | Computer Skills* | 3 | 2 | 2 | 0900096** |

\* Not for Information Technology Students.
\*\* Or passing the placement test.

## II. Faculty Requirements:

Architecture students are requested to complete a total of 30 CH of Faculty Requirements, divided into 15 CH Compulsory and 15 Electives: 6 CH from Group 4 and 9 CH from Group 2 or/and Group 3 (3 hours at least from each group)

### A. Compulsory Requirements: 15 Credit Hours

| Course No | Course Title | Credit Hours | Contact Hours | | Pre/ requisite |
|---|---|---|---|---|---|
| | | | Lecture | Studio/ lab | |
| 0602100 | Introduction to Film Making | 3 | 1 | 4 | - |
| 0602101 | Introduction to Computer Graphics | 3 | 1 | 4 | - |
| 0602102 | Introduction to Creative Arts | 3 | 1 | 4 | - |
| 0602103 | Introduction to Musicology | 3 | 1 | 4 | - |
| 0607100 | Introduction to Theatre Arts | 3 | 1 | 4 | - |

### B. Elective Requirements:

### Group 1: Arts (Graphic Design): 6 Credit Hours

| Course No | Course Title | Credit Hours | Contact Hours | | Pre/ requisite |
|---|---|---|---|---|---|
| | | | Lecture | Studio/ lab | |
| 0602109 | Computer Skills in Video Editing | 3 | 0 | 6 | - |
| 0602105 | After Effect Techniques | 3 | 0 | 6 | - |
| 0607101 | History of Arts | 3 | 3 | 0 | - |
| 0607102 | Art Symposium | 3 | 1 | 4 | - |
| 0602106 | Orchestral Instruments | 3 | 3 | 0 | - |
| 0602107 | Music in Life | 3 | 3 | 0 | - |
| 0602108 | Computer Skills in Audio editing | 3 | 1 | 4 | - |
| 0607103 | Theatre and Society | 3 | 3 | 0 | - |

### Group 2: Design (Architecture and Interior Design): 9 Credit Hours

| Course No | Course Title | Credit Hours | Contact Hours | | Pre/ requisite |
|---|---|---|---|---|---|
| | | | Lecture | Studio/ Lab | |
| 0606281 | Computer Aided Drafting I/ ArchiCADI | 3 | 1 | 4 | - |
| 0606517 | Media in Architecture and Design | 3 | 1 | 4 | - |
| 0602110 | Introduction to Drawing and Perspective (Studio) | 3 | 0 | 6 | - |
| 0606545 | CAD Portfolio Review | 3 | 1 | 4 | |

### Group 3: Design (Architecture): 9 Credit Hours

| Course No | Course Title | Credit Hours | Contact Hours | | Pre/ Requisite |
|---|---|---|---|---|---|
| | | | Lecture | Studio/ Lab | |
| 0606284 | Computer Aided Drafting I/ Maxon | 3 | 1 | 4 | - |
| 0606285 | Computer Aided Drafting I/ FormZ | 3 | 1 | 4 | - |
| 0602431 | Animation / MAYA | 3 | 0 | 6 | - |
| 0606546 | Digital Walkthrough and Visualization | 3 | 0 | 6 | |

## Group 4: Design (Architecture and Interior Design): 6 Credit Hours

| Course No | Course Title | Credit Hours | Contact Hours | | Pre/ Requisite |
|---|---|---|---|---|---|
| | | | Lecture | Studio/ Lab | |
| 0602111 | Color Theory & Applications (Studio) | 3 | 0 | 6 | - |
| 0602112 | Design Principles & History | 3 | 3 | 0 | - |
| 0606516 | Marketing and Branding in Architecture and Design | 3 | 2 | 2 | - |
| 0606547 | Regional issues in Architecture and Design | 3 | 2 | 2 | - |
| 0606548 | Climate-responsive design strategies in Architecture | 3 | 2 | 2 | |
| 0606549 | Green Building Trends and Technology | 3 | 2 | 2 | |

## III. Department Courses: 118 Credit Hours
## A- Department Compulsory Requirements: 100 Credit Hours

| Course No | Course Title | Credit Hours | Contact Hours | | Pre/ Requisite |
|---|---|---|---|---|---|
| | | | Lecture | Studio/ Lab | |
| 0606211 | History of Architecture and Art I | 3 | 3 | 0 | - |
| 0606212 | History of Architecture and Art II | 3 | 3 | 0 | 0606211 |
| 0606271 | Architectural Design Studio I | 4 | 0 | 8 | 0602102 |
| 0606272 | Architectural Design Studio II | 4 | 0 | 8 | 0606271 |
| 0606280 | Computer Aided Drafting 1/ Auto CAD + 3D Max | 3 | 1 | 4 | - |
| 0606314 | Contemporary Architecture and Design | 3 | 3 | 0 | 0606212 |
| 0606321 | Building Construction Materials and Processes I | 3 | 2 | 2 | 0606272 |
| 0606322 | Building Construction Materials and Processes II | 3 | 2 | 2 | 0606321 |
| 0606373 | Architectural Design Studio III | 4 | 0 | 8 | 0606272 |
| 0606374 | Architectural Design IV | 4 | 0 | 8 | 0606373 |
| 0606376 | Computer Aided Architectural Design I | 3 | 0 | 6 | 0602101 |
| 0606377 | Computer Aided Architectural Design II | 3 | 0 | 6 | 0606376 |
| 0606423 | Building Construction Materials and Processes III | 3 | 2 | 2 | 0606322 |
| 0606341 | Understanding the Built Environment | 3 | 2 | 2 | 0606212 |
| 0606442 | Landscape Architecture | 3 | 2 | 2 | 0606272 |
| 0606475 | Architectural Design Studio V | 4 | 0 | 8 | 0606374 |
| 0606476 | International Architecture Studio | 3 | 0 | 6 | 0606475 |
| 0606482 | Architectural Media, Graphics, Photography and Representation | 3 | 0 | 6 | 0606377 |
| 0606515 | Green & Sustainable Architecture | 3 | 3 | 0 | 0606212 |
| 0606543 | Heritage Conservation | 3 | 3 | 0 | 0606212 |
| 0606544 | Computer Aided Architectural Preservation | 3 | 1 | 4 | 0606377+ 0606543 |
| 0606561 | Occupational Health and Safety | 3 | 3 | 0 | 0606423 |
| 0606562 | Project Management and Site Organization | 3 | 3 | 0 | 0606423 |
| 0606577 | Urban Design and Urban Regeneration | 3 | 1 | 4 | 0606476 |
| 0606578 | Utility Planning and Design I | 3 | 1 | 4 | 0606423 |
| 0606579 | Utility Planning and Design II | 3 | 1 | 4 | 0606578 |
| 0606583 | Digital Architecture | 3 | 0 | 6 | 0606377 |
| 0606590 | Local/International Internship | 6 | - | - | Completion of 99 Cr. Hrs. |
| 0606591 | Graduation Project I – Architecture | 2 | - | - | Completion of 120 Cr. Hrs. + 0606476 |
| 0606592 | Graduation Project II – Architecture | 6 | - | - | 0606591 |

## B. Department Ancillary Courses: 18 Credit Hours

| Course No | Course Title | Credit Hours | Contact Hours | | Pre/ Requisite |
|---|---|---|---|---|---|
| | | | Lecture | Studio/ Lab | |
| 0903101 | Calculus (1) | 3 | 3 | 0 | - |
| 0904101 | General Physics (1) | 3 | 3 | 0 | - |
| 0102319 | Structural Systems I | 3 | 3 | 0 | 0903104 + 0904104 |
| 0102419 | Structural Systems II | 3 | 3 | 0 | 0102319 |
| 0104429 | Environmental Systems Design I | 2 | 2 | 0 | 0903104 + 0904104 |
| 0103419 | Environmental Systems Design II | 2 | 2 | 0 | 0104429 |
| 0102259 | Land Surveying | 2 | 1 | 2 | 0903104 |

## IV. Free Electives: 3 Credit Hours

Students may choose any course(s) offered by the University in accordance with University regulations.