**ATILIM UNIVERSITY**

**ARCHITECTURE DEPARTMENT UNDERGRADUATE PROGRAM**

**COURSE INFORMATION**

*lettertype “Times New Roman 10” light*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of Course** | **Course code** | **Semester** | **Theory**  **(hour/week)** | **Practice**  **(hour/week)** | **Credit** | **ECTS**  **credit** |
|  |  |  |  |  |  |  |
| **Pre-requisite(s)** |  | | | | | |
| **Language** |  | | | | | |
| **Type** |  | | | | | |
| **Mode** |  | | | | | |
| **Instructor(s)** |  | | | | | |
| **Assistant(s)** |  | | | | | |
| **Aim** |  | | | | | |
| **Description** |  | | | | | |
| **Learning Outcomes** |  | | | | | |
| **Sources** |  | | | | | |

***Weekly Schedule***

|  |  |
| --- | --- |
| **Week** | **Topics** |
| **1.** |  |
| **2.** |  |
| **3.** |  |
| **4.** |  |
| **5.** |  |
| **6.** |  |
| **7.** |  |
| **8.** |  |
| **9.** |  |
| **10.** |  |
| **11.** |  |
| **12.** |  |
| **13.** |  |
| **14.** |  |
| **15.** |  |
| **16.** |  |

***Evaluation System***

|  |  |  |
| --- | --- | --- |
| **Semester Activities** | **Number** | **Contribution (%)** |
| **Class participation** |  |  |
| **Practical work** |  |  |
| **Field work** |  |  |
| **Assignment** |  |  |
| **Presentation** |  |  |
| **Project** |  |  |
| **Seminar** |  |  |
| **Mid-Term exam** |  |  |
| **Final exam** |  |  |

***Course Category***

|  |  |
| --- | --- |
| **Basic Occupational Courses** |  |
| **Expertise/Field Courses** |  |
| **Supplementary Courses** |  |
| **Courses on Communication and Management Skills** |  |
| **Transferable Skills Courses** |  |

***ECTS (Student Work Load) Table***

|  |  |  |  |
| --- | --- | --- | --- |
| **Activities** | **Number** | **Duration**  **(hour)** | **Total**  **(hour)** |
| **Lecture *(16 weeks x class hours/week)*** |  |  |  |
| **Practical work** |  |  |  |
| **Field work** |  |  |  |
| **Homework** |  |  |  |
| **Preparation for presentation / seminar** |  |  |  |
| **Project** |  |  |  |
| **Assignment** |  |  |  |
| **Preparation for mid-term exam** |  |  |  |
| **Preparation for final exam** |  |  |  |
|  | **Total work load (hour)** | |  |
|  | **Total hours / 25 hours** | |  |
|  | **ECTS credit of the course** | |  |

***Contribution of the Course Learning Outcomes to Program Competencies***

**(\*)** The levels of contribution to the program competencies are indicated by marking (x)

for one of the levels (0) to (5):

**1**: Very low / **2**: Low / **3**: Average / **4**: Above average / **5**: High

***(Please indicate contribution level only for maximum 6 competencies which are directly related with the course.)***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PROGRAM COMPETENCIES** | | | | | |
| **Architecture - Design / Creative Thinking** | **Contribution (\*)** | | | | |
| **1** | **2** | **3** | **4** | **5** |
| **1.Critical Thinking**: Ability to interrogate, express abstract notions and ideas, assess opposite views, scrutinize attained conclusions with relevant criteria. |  |  |  |  |  |
| **2.Communication**: Ability to read, write, express ideas in congruity with one’s aim; skill in using various means of representation to convey design ideas. |  |  |  |  |  |
| **3.Research**: Ability to make comparative assessment, documentation and implementation of knowledge acquired during design process. |  |  |  |  |  |
| **4.Design**: Reproduction of design knowledge during the process of creative thinking; ability to reach new and original solutions in terms of universal design principles like sustainability and accessibility. |  |  |  |  |  |
| **Architecture - History / Theory / Culture / Art** | | | | | |  |  |  | **5** |
| **5.World Architecture**: Understand world architecture in terms of historical, geographical, and global relations. |  |  |  |  |  |
| **6.Local Architecture / Cultural Diversity**: Understand architectural formations and examples belonging to the geography lived in in terms of historical and cultural relations. Understand the distinctiveness of the value judgments and behavioral, social, and spatial patterns that define different cultures. |  |  |  |  |  |
| **7.Cultural Heritage and Conservation**: Understand issues of cultural heritage, consciousness related with conservation, environmental sensibility and ethical responsibility, and conservation theories and methods. |  |  |  |  |  |
| **Architecture – Environment / City / Society** | | | | | |
| **8.Sustainability**: Skill to create sustainable design by utililizing variety of means with an aim to minimize the undesirable environmental impact on future generations by making use of the knowledge related to natural and built environment. |  |  |  |  |  |
| **9.Social Responsibility**: Understand the responsibility of the architect to protect public interest, respect historical/cultural and natural resources, and enhance quality of life. |  |  |  |  |  |
| **10.Nature and the Human Being**: Understand the interaction of natural systems and design of the built environment with the human being in all of its aspects. |  |  |  |  |  |
| **11.Geographical Conditions**: Understand relations of site selection, settlement and building design that are attentive to the cultural, economic, social characteristics, besides the natural characteristics, like soil conditions, topography, flora, risk of natural hazard, etc. |  |  |  |  |  |
| **Architecture - Technology** | | | | | |
| **12.Security of Life**: Understand the fundamental principles of security (safety) and emergency systems at building and environment scales for conditions of natural hazard, fire, etc. |  |  |  |  |  |
| **13.Structural Systems**: Understand behavioral principles of static and dynamic structural systems, that stand firm with vertical and lateral forces, together with their development and implementation. |  |  |  |  |  |
| **14.Building Physics and Environmental Systems**: Understand the fundamental principles of building physics and energy use issues, like lighting, acoustics, climatization, etc., in the design of physical environmental systems, and the significance of using proper means of performance evaluation. |  |  |  |  |  |
| **15.Systems of Building Envelope**: Understand the fundamental principles, methods of implementation, and significance of building envelope materials and designing building envelope systems. |  |  |  |  |  |
| **16.Building Service Systems**: Understand the basic principles of designing service systems, like sanitary (plumbing) and electrical installations, circulation, communication, security (safety) and fire prevention, etc. |  |  |  |  |  |
| **17.Building Materials and Implementation**: Understand the principles and standards related to production, use and implementation, environmental effects and re-use of building materials in terms of technological development. |  |  |  |  |  |
| **18.Integration of Building Systems**: Skill of assessing, selection, and integration of structural, environmental, security (safety), building envelope, building service systems. |  |  |  |  |  |
| **Architecture - Context of Practice** | | | | | |
| **19.Program Preparation and Assessment**: Skill of preparing and assessing the architectural project program according to client and user needs, appropriate examples, spatial, fitment and furnishing needs, financial restrictions, site conditions, related laws, regulations and design criteria, and observing the public interest. |  |  |  |  |  |
| **20.Comprehensive Project Development**: Skill to develop and integrate an architectural project at different scales, considering the environment and building sytems together with building technologies. |  |  |  |  |  |
| **21.Regard for the Building Cost**: Understand the basic factors related to cost of building delivery and use. |  |  |  |  |  |
| **22. Architect-Client Relation**: Understand the responsibility of finding out the needs and requirements of the employer, owner and the user, and resolving them in a way that will not be in conflict with the public good. |  |  |  |  |  |
| **23.Team Work and Cooperation**: Skill to cooperate with the project team and multi-disciplinary teams with the aim to successfully complete design and implementation projects. |  |  |  |  |  |
| **24.Project Management**: Understand issues like methods of project acquisition (acquiring commissions), selection of project advisors, forming project teams, methods of project submission, employment contracts, etc. |  |  |  |  |  |
| **25.Practice Management**: Understand the basic principles of architectural practice process, like financial management, work planning, quality management, risk management, discussion /debate, reconciliation, etc. |  |  |  |  |  |