Course Specifications of:

Schools and Trends of Architecture

Program(s) on which the course is given: Postgraduate Diploma - Architectural Design.

Compulsory or Elective element of program: Compulsory

Department offering the program: Architecture

Academic year / Level: year/ 2014 -2015

Date of specification approval: June 2012

1. Basic Information
2. Title:Schools and Trends of Architecture Code: Arc 503
3. Credit Hours: 3 Lecture: 3 practical
4. Semester work: 120 Final Exam:90 Practical: 90 Total: 300
5. Professional Information

1- Overall aims of course:

* Provide knowledge about latest technological applications in the area of architectural design.
* Promote newly articulated visions about architectural design.

2- Intended learning outcomes of course (ILOs):

1. **Knowledge and understanding**

2.1.2 List ethical and legal principles of architectural design phases.

2.1.4 Identify a comprehensive overview of the practical aspects of architectural design, emphasizing the process of identifying forces influencing design and application of developed designs.

1. **Intellectual skills**

2.2.1 Discern and analyze the problems in the area of architecture and categorize them according to their priority.

2.2.4 Assess the risks and hazards in architectural practices.

1. **Professional and practical skills**

2.3.1 Acquire and apply the range of skills necessary to become a professional architect.

2.3.2 Prepare professional reports.

2.3.3 Develop the capability to compare between various ideas.

1. **General and transferable skills**

2.4.1 Communicate effectively using different means.

2.4.3 Obtain information and knowledge from different sources.

2.4.4Lead a team in familiar professional contexts.

3- Contents

|  |  |  |  |
| --- | --- | --- | --- |
| Topic No. | Topic | No. of weeks | Total no. of hours |
| 1 | Introduction to Trends of Architecture | 1 | 3 |
| 2 | Evolution of architectural movement from traditional to contemporary approaches | 1 | 3 |
| 3 | emergence and development of modern architecture | 1 | 3 |
| 4 | emergence and development of modern architecture | 1 | 3 |
| 5 | Functionalarchitecture | 1 | 3 |
| 6 | Organicarchitecture | 1 | 3 |
| 7 | Metropolisarchitecture | 1 | 3 |
| 8 | Trends in Modern Architecture | 1 | 3 |
| 9 | post deconstruction and Assignment 1 | 1 | 3 |
| 10 | Deconstruction | 1 | 3 |
| 11 | advanced technology and Assignment2 | 1 | 3 |
| 12 | revival of 20th century | 1 | 3 |
| 13 | sculpture forms | 1 | 3 |
| 14 | galactic architecture and Assignment3 | 1 | 3 |
| 15 | Oral exam | 1 | 3 |
| 16 | Final exam | 1 | 3 |
| TOTAL | | 16 | 45 |

4- Course Matrix

|  |  |  |
| --- | --- | --- |
| ILO’s code number | Teaching/learning methods and strategies | Assessment methods and strategies |
| 2.1.2  2.1.4 | * Acquisition of core knowledge and understanding is achieved mainly through lectures, seminars, tutorials, directed reading, project work for design concepts, argued and valued against objectives, and presented in independent study repoort. | Assessment will be through individual coursework assignments, oral arranged discussions and raise arguments regarding particular topics architecture design and application issues and write individual assays, as well as prepare and write a term scientific report about particular topic. In addition to written final examinations. Grades distribution system is shown in the curriculum table below. |
| 2.2.1  2.2.4 | Analysis and problem‐solving skills are developed through tutorial/problem design and small group discussion reports regarding staff selected topics. | Analysis and design skills and level of creativity are assessed through oral, preparation of alternative design concepts and written research essays. |
| 2.3.1  2.3.2  2.3.3 | Projects demonstrations, practical work, projects and sites analysis based on field visits. | Practical skills are assessed through projects write-ups, coursework exercises and project reports and presentations and final forums discussions and arguments raised about creative ideas demonstrated and adopted methodology, and process carried out to achieve the design objectives. |
| 2.4.1  2.4.3  2.4.4 | Presentations of one major term paper researching particular topic of architectural design or applied field case professionally practiced, in annual seminars (compulsory to be attended by a panel of departmental staff and other students). | research presentation |

5-Assessment schedule

Assessment 1 Assignmentson weeks 9-11-14

Assessment 2 Oral exam on week 15

Assessment 3 Final exam on week 16

6- Weighting of assessments

* 40% Home assignments
* 30% Oral examination
* 30% Final-term examination

100% Total

7- List of References

6.1 Essential books.

* Jencks, C. Modern movements in architecture. Harmondsworth. 1973.
* Crouch, Christopher. 2000. "Modernism in Art Design and Architecture", New York: St. Martins Press.
* Nikos Salingaros. "[A Theory of Architecture](http://en.wikipedia.org/wiki/A_Theory_of_Architecture)". Umbau-Verlag, 2006.
* Jencks , C ,(1997) , “ Theories and manifestoes of contemporary

architecture “ , p no 10,53. Academy addition

8- Facilities required for teaching and learning

Lecture room equipped with overhead projector

Presentation board, computer and data show

9- Intended learning outcomes of course (ILOs) Matrixes

**9.1 Matrix 01: Course contents & ILO's**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No. of weeks** | **Course Content** | **Total no. of hours** | **a. Knowledge and understanding** | **b. Intellectual Skills** | | **c. Professional Skills** | | **d. General Skills** | | |
| 2.1.1 | 2.2.1 | 2.2.4 | 2.3.1 | 2.3.2 | 2.4.1 | 2.4.3 | 2.4.4 |
| 1 | Introduction to Trends of Architecture | 3 |  |  |  |  |  |  |  |  |
| 2 | Evolution of architectural movement from traditional to contemporary approaches | 3 |  |  |  |  |  |  |  |  |
| 3 | emergence and development of modern architecture | 3 |  |  |  |  |  |  |  |  |
| 4 | emergence and development of modern architecture | 3 |  |  |  |  |  |  |  |  |
| 5 | Functionalarchitecture | 3 |  |  |  |  |  |  |  |  |
| 6 | Organicarchitecture | 3 |  |  |  |  |  |  |  |  |
| 7 | Metropolisarchitecture | 3 |  |  |  |  |  |  |  |  |
| 8 | Trends in Modern Architecture | 3 |  |  |  |  |  |  |  |  |
| 9 | post deconstruction and Assignment 1 | 3 |  |  |  |  |  |  |  |  |
| 10 | Deconstruction | 3 |  |  |  |  |  |  |  |  |
| 11 | advanced technology and Assignment2 | 3 |  |  |  |  |  |  |  |  |
| 12 | revival of 20th century | 3 |  |  |  |  |  |  |  |  |
| 13 | sculpture forms | 3 |  |  |  |  |  |  |  |  |
| 14 | galactic architecture and Assignment3 | 3 |  |  |  |  |  |  |  |  |
| 15 | Oral exam | 3 |  |  |  |  |  |  |  |  |
| 16 | Final exam | 3 |  |  |  |  |  |  |  |  |

**9.2 Matrix 02: Aims & ILOs**

|  |  |  |
| --- | --- | --- |
| **Aims**  **ILO's** | **1** | **2** |
| 2.1.2 |  |  |
| 2.1.4 |  |  |
| 2.2.1 |  |  |
| 2.2.4 |  |  |
| 2.3.1 |  |  |
| 2.3.2 |  |  |
| 2.4.1 |  |  |
| 2.4.3 |  |  |
| 2.4.4 |  |  |

Course coordinator **professor dr./** Ahmed Fared Hamza .

Course instructor **professor dr./** Ahmed Fared Hamza .

Date 19 /11 / 2014