Course Specifications of:

Contemporary International Architectural Design Trends

Program(s) on which the course is given: M.Sc. - Architectural Design

Compulsory or Elective element of program: Elective

Department offering the program: Architecture

Academic year / Level: year/ 2014 -2015

Date of specification approval: June 2012

1. Basic Information
2. Title: Contemporary International Architectural Design Trends Code: Arch608
3. Credit Hours: 3 Lecture: 3 practical:0
4. Semester work: 120 Final Exam: 90 Practical: 90 Total: 300
5. Professional Information

1- Overall aims of course:

By the end of the course the student will be able to

1. Recognize the characteristics of contemporary trends of architecture
2. Analyze the effect of globalization concepts on architecture.
3. Promote an understanding of how architectural design is advanced through research and practice feeding each other.
4. Provide knowledge about the recent applications of science and technology to architectural inter-disciplinary field.

2- Intended learning outcomes of course (ILOs):

1. **Knowledge and understanding**

2.1.3 Recognize the importance of science and technology in the development of architectural design field.

2.1.5 Define the principles and fundamentals of quality in architectural design field and professional practice.

2.1.6 Recognize the interrelationship between culture and architecture.

1. **Intellectual skills**

2.2.2 Draw analogies to solve design problems.

2.2.3 Link different knowledge sources to solve architectural problems.

1. **Professional and practical skills**

2.3.1 Develop skills related to architectural design and professional practice.

2.3.3 Develop the capability to compare between various ideas and verify or refute them.

1. **General and transferable skills**

2.4.1 Experiment Communicating effectively using different means.

2.4.2 Assess him/her self and identify his/her own personal learning needs and conduct self-learning.

2.4.5 Appraise the responsibility of the architect to elicit, understand and resolve the needs of the client.

3- Contents

|  |  |  |  |
| --- | --- | --- | --- |
| Topic No. | Topic | No. of weeks | Total no. of hours |
| 1 | Urbanism and globalization | 1 | 3 |
| 2 | trends of contemporary architecture | 1 | 3 |
| 3 | Intelligence-Based Design in architecture | 1 | 3 |
| 4 | the effect of linguistic analysis, philosophy, post-structuralism | 1 | 3 |
| 5 | cultural theory and architecture | 1 | 3 |
| 6 | Globalization Challenges In Architecture | 1 | 3 |
| 7 | a review of trends towards an integrative  approach to designing responsive space | 1 | 3 |
| 8 | a review of trends towards an integrative  approach to designing responsive space | 1 | 3 |
| 9 | Trends in Stadium Design | 1 | 3 |
| 10 | Trends in Stadium Design | 1 | 3 |
| 11 | THE FUTURE FORARCHITECTS | 1 | 3 |
| 12 | Trends in Modern Iranian Architecture | 1 | 3 |
| 13 | Design + Culture – A Return to Fundamentalism | 1 | 3 |
| 14 | Modern Trends in Design and Development | 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 |
| 2.1.3  2.1.5  2.1.6 | Acquisition of core knowledge and understanding is achieved mainly through   * lectures, * seminars, * directed reading,. | Assessment will be through   * individual coursework assignments, * oral arranged discussions about particular issues. |
| 2.2.2  2.2.3 | Analysis and problem‐solving skills are developed through   * lectures, * seminars * small group exercises. * project work and independent study. | Assessment of students   * prepared term research paper * number of essays prepared in responses to research * Research skills are developed through a research project in the course * Analysis and design skills and creativity are assessed through oral, written examinations, and Quizzes * Quizzes based abilities are mainly assessed through performance |
| 2.3.1  2.3.3 | * Projects demonstrations, * practical work, * practical based projects in selected particular sites, visits for site analysis | Practical skills are assessed through   * Quizzes prepared concept designs, * report writing about it, coursework exercises * project based on research presentations, * oral exams |
| 2.4.1  2.4.2  2.4.5 | * Presentations in several seminars (compulsory to be attended by a panel of departmental staff and other students). * Attendance of workshops * Compulsory writing reports | general skills are assessed through   * report writing * coursework exercises * oral exams * project based on research presentations, |

5- Assessment schedule

* Assessment 1 Assignments on week’s9-14
* 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

[1] Anshuman, S and Kumar, B: 2003, A Conceptual Framework for Designing a Responsive

[2] Anshuman, S and Leinweber, J: 2001, TheTelePresence Lounge, Msc Thesis, University

of Edinburgh, Edinburgh.

[3] Baudrillard, J: 1987, Xerox and Infinity, Agitac publication, London

[4] Braddock, E and O’Mahony, M: 1998, Techno Textiles, Revolutionary Fabrics for

Fashion and Design, Thames and Hudson Publication, London.

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** | | |
| 2.1.3 | 2.1.5 | 2.1.6 | 2.2.2 | 2.2.3 | 2.3.1 | 2.3.3 | 2.4.1 | 2.4.2 | 2.4.5 |
| 1 | Urbanism and globalization | 3 |  |  |  |  |  |  |  |  |  |  |
| 2 | trends of contemporary architecture | 3 |  |  |  |  |  |  |  |  |  |  |
| 3 | Intelligence-Based Design in architecture | 3 |  |  |  |  |  |  |  |  |  |  |
| 4 | the effect of linguistic analysis, philosophy, post-structuralism | 3 |  |  |  |  |  |  |  |  |  |  |
| 5 | cultural theory and architecture | 3 |  |  |  |  |  |  |  |  |  |  |
| 6 | Globalization Challenges In Architecture | 3 |  |  |  |  |  |  |  |  |  |  |
| 7 | a review of trends towards an integrative  approach to designing responsive space | 3 |  |  |  |  |  |  |  |  |  |  |
| 8 | a review of trends towards an integrative  approach to designing responsive space | 3 |  |  |  |  |  |  |  |  |  |  |
| 9 | Trends in Stadium Design | 3 |  |  |  |  |  |  |  |  |  |  |
| 10 | Trends in Stadium Design | 3 |  |  |  |  |  |  |  |  |  |  |
| 11 | THE FUTURE FORARCHITECTS | 3 |  |  |  |  |  |  |  |  |  |  |
| 12 | Trends in Modern Iranian Architecture | 3 |  |  |  |  |  |  |  |  |  |  |
| 13 | Design + Culture – A Return to Fundamentalism | 3 |  |  |  |  |  |  |  |  |  |  |
| 14 | Modern Trends in Design and Development | 3 |  |  |  |  |  |  |  |  |  |  |
| 15 | Oral exam | 3 |  |  |  |  |  |  |  |  |  |  |
| 16 | Final exam | 3 |  |  |  |  |  |  |  |  |  |  |

**9.2 Matrix 02: Aims & ILO's**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Aims**  **ILO's** | **1** | **2** | **3** | **4** |
| 2.1.3 |  |  |  |  |
| 2.1.5 |  |  |  |  |
| 2.1.6 |  |  |  |  |
| 2.2.2 |  |  |  |  |
| 2.2.3 |  |  |  |  |
| 2.3.1 |  |  |  |  |
| 2.3.3 |  |  |  |  |
| 2.4.1 |  |  |  |  |
| 2.4.2 |  |  |  |  |
| 2.4.5 |  |  |  |  |

Course coordinator: **dr./Islam gonimy**

Course instructor: **dr./Islam gonimy**

Date 31 / 5 / 2014