Course Specifications of:

Advanced Forum / Selected Topics in the Field of Study

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

Compulsory or Elective element of program: Compulsory

Department offering the program: Architecture

Academic year / Level: Master of Science year 2014 / 2015

Date of specification approval: 23-1-2012

1. Basic Information

Title: Advanced Forum / Selected Topics in the Field of Study Code: Arc 619

1. Credit Hours: 6 Lecture: 3 Practical: 6
2. Semester work: 300 Final Exam: 150 (Oral) Practical:150 Total: 600
3. Professional Information

1- Overall aims of course:

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

* Provide students with a technical basis in the key areas of their profession through the study of theoretical information and practical applications in their field.
* Develop in our students excellences in oral and written communications in their field

2- Intended learning outcomes of course (ILOs):

**a-Knowledge and Understanding**

2.1.1 Recognize systematically and with great depth a substantial body of knowledge in urban design and its impact on the environment.

2.1.2 Define the context in which the urban form operate and be aware of the methods of sustainability of natural resources.

2.1.3 Recognize political, social, economic, ethical and aesthetic significance of Urban Design practice.

2.1.4 Arrange research and set its objectives, hypothesis, and systematic acquisition and understanding of urban design issues.

2.1.5 Recognize in detail applicable techniques that may be used in research in the area of Urban Design.

2.1.6 Define the basics and the ethics of scientific research.

2.1.7 Define the principles of assembly and integration of the inter-disciplinary approaches of Urban Design solutions.

**b-Intellectual Skills**

2.2.1 Analyze, evaluate and determine constraints and incentives of success that affect the selection of urban systems.

2.2.2 Discuss urban design research proposals and design appropriate methodologies in creative way.

2.2.3 Explain appropriate systematic and logical approaches to achieve outcomes and solve design and/or research problem.

2.2.4 Conduct a research study and/or write a scientific essay about an urban design research problem.

2.2.5 Explain how to develop original problem solving techniques in urban design that lead to achieve results and the ability to discuss and debate these results based on proof evidence.

2.2.6 Discuss how to make informed judgments on complex issues in specialist fields, often in the absence of complete data.

2.2.7 Classify and link content, sources and feasibility of models in urban development.

**c-Professional and Practical Skills**

2.3.1 Analyze, examine and overview issues governing good urban design practice such as: socio-culture and economic criteria that affect the decision-making.

2.3.2 Write and evaluate professional Urban Design reports.

2.3.3 Operate in complex and unpredictable/specialized contexts and develop methods and tools of doing research in urban design.

2.3.4 Produce design solutions that satisfy each of the dimensions of urban design

2.3.5 Plan, develop and deliver bibliographically-based written research

2.3.6 Use appropriate techniques for establishing, measuring and reviewing success criteria.

**d-General and Transferable Skills**

2.4.1 Practice Communicating effectively using different medias.

2.4.2 Choose and process information from a wide range of sources, analyze it critically and apply this information to research, individually or in group using technological techniques (IT).

2.4.3 Assess your-self and identify your own personal learning needs.

2.4.4 Examine Self-management, including the setting of work priorities, independent working, self-reflection and the formulation of self-development strategies.

2.4.5 Manage Working effectively within a team, adopting any required role within that team, including leadership and/or educate others

3- Contents

|  |  |  |  |
| --- | --- | --- | --- |
| Topic No. | Topic | No. of weeks | Total no. of hours |
| 1 | Introduction to the project definition | 1 | 3+6 |
| 2 | Project aims | 1 | 3+6 |
| 3 | Project aims | 1 | 3+6 |
| 4 | Concept for project problem solving | 1 | 3+6 |
| 5 | Concept for project problem solving | 1 | 3+6 |
| 6 | Criteria and methodology to follow | 1 | 3+6 |
| 7 | Practical applications | 1 | 3+6 |
| 8 | Practical applications | 1 | 3 |
| 9 | Similar Projects all over the world | 1 | 3+6 |
| 10 | Similar Projects all over the world | 1 | 3+6 |
| 11 | Results, Discussion and Conclusions | 1 | 3+6 |
| 12 | Project follow up | 1 | 3+6 |
| 13 | Project follow up | 1 | 3+6 |
| 14 | Project follow up | 1 | 3+6 |
| 15 | Submission and discussions | 1 | 3+6 |
| 16 | Oral exam | 1 |  |
| TOTAL | | 16 | 129 |

4- Course Matrix

|  |  |  |
| --- | --- | --- |
| ILO’s code number | Teaching/learning methods and strategies | Assessment methods and strategies |
| 2.1.1  2.1.2  2.1.3  2.1.4  2.1.5  2.1.6  2.1.7 | * Acquisition of core knowledge and understanding is achieved mainly through lectures, seminars, tutorials, directed reading, project work and independent study. | Assessment will be through individual coursework assignments, quizzes, oral discussions and reports. In addition final written examinations are given. The grades distribution system is shown in the curriculum table below. |
| 2.2.1  2.2.2  2.2.3  2.2.4  2.2.5  2.2.6  2.2.7 | * Analysis and problem‐solving skills are developed through tutorial/problem sheets and small group exercises. * Research skills are developed through the research project. | * Analysis and problem‐solving skills are assessed through oral and written examinations. * Design and research skills are assessed through project write-ups, coursework and project reports. |
| 2.3.1  2.3.2  2.3.3  2.3.4  2.3.5  2.3.6 | Experiments demonstrations, and practical work. | Practical skills are assessed through projects write-ups, coursework exercises and reports, project reports and presentations. |
| 2.4.1  2.4.2  2.4.3  2.4.4  2.4.5 | Presentations in annual seminars (compulsory to be attended by a panel of departmental staff and other students). | Project presentation |

5- Assessment schedule

Assessment 1 Assignments on week’s 7-9-11-14

Assessment 2 Oral exam on week 16

6- Weighting of assessments

75% Home assignments

25% Oral examination

0% Final-term examination

100% Total

7- List of References

To be provide by the Course coordinator

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 andunderstanding** | | | | | | **b. Intellectual Skills** | | | | | | | **c. Professional Skills** | | | | | | **d. General Skills** | | | | |
| 2.1.1 | 2.1.2 | 2.1.3 | 2.1.4 | 2.1.5 | 2.1.7 | 2.2.1 | 2.2.2 | 2.2.3 | 2.2.4 | 2.2.5 | 2.2.6 | 2.2.7 | 2.3.1 | 2.3.2 | 2.3.3 | 2.3.4 | 2.3.5 | 2.3.6 | 2.4.1 | 2.4.2 | 2.4.3 | 2.4.4 | 2.4.5 |
| 1 | Introduction to the project definition | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | Project aims | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | Project aims | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | Concept for project problem solving | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | Concept for project problem solving | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | Criteria and methodology to follow | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | Practical applications | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | Practical applications | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | Similar Projects all over the world | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | Similar Projects all over the world | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 | Results, Discussion and Conclusions | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | Project follow up | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | Project follow up | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | Project follow up | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 | Submission and discussions | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 | Oral exam | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**9.2 Matrix 02: Aims & ILOs**

|  |  |  |
| --- | --- | --- |
| **Aims**  **ILO's** | **1** | **2** |
| 2.1.1 |  |  |
| 2.1.2 |  |  |
| 2.1.3 |  |  |
| 2.1.4 |  |  |
| 2.1.5 |  |  |
| 2.1.6 |  |  |
| 2.1.7 |  |  |
| 2.2.1 |  |  |
| 2.2.2 |  |  |
| 2.2.3 |  |  |
| 2.2.4 |  |  |
| 2.2.5 |  |  |
| 2.2.6 |  |  |
| 2.2.7 |  |  |
| 2.3.1 |  |  |
| 2.3.2 |  |  |
| 2.3.3 |  |  |
| 2.3.4 |  |  |
| 2.3.5 |  |  |
| 2.3.6 |  |  |
| 2.4.1 |  |  |
| 2.4.2 |  |  |
| 2.4.3 |  |  |
| 2.4.4 |  |  |
| 2.4.5 |  |  |

Course coordinator Prof. Mohamed Khairy Amin

Course instructor: Prof. Mohamed Khairy Amin

Date 23 / 1 / 2015