Course Specifications of:

Project Evaluation and Analysis

Program(s) on which the course is given: Postgraduate Diploma - 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 : Project Evaluation and Analysis Code: Arc 507
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:

* Upgrade architects professional performance in project management field.
* Develop architects ability for professional preparation of technical execution plans and work details, and follow up of project execution. .
* Promote an understanding of how the boundaries of architectural knowledge are advanced through research.

2- Intended learning outcomes of course (ILOs):

1. **Knowledge and understanding**

2.1.1 Describe basics and fundamentals of quality in architectural design field and professional practice.

2.1.3 Explain the effect of architectural design practice on the environment and work towards its conservation and maintenance.

1. **Intellectual skills**

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

2.2.2 Solve specialized problems in architectural design area.

2.2.5 Make professional decisions in the light of available information.

1. **Professional and practical skills**

2.3.3Develop the capability to compare between various ideas.

**D -General and transferable skills**

2.4.1Communicate effectively using different means.

3- Contents

|  |  |  |  |
| --- | --- | --- | --- |
| Topic No. | Topic | No. of weeks | Total no. of hours |
| 1 | Project management principles. | 1 | 3 |
| 2 | Project management principles and determinants. | 1 | 3 |
| 3 | Management hierarchal. | 1 | 3 |
| 4 | Functional structural organization. | 1 | 3 |
| 5 | project components. | 1 | 3 |
| 6 | Interrelations and value systems (financial/ technical and execution duration) vital path methods. | 1 | 3 |
| 7 | Interrelations and value systems (financial/ technical and execution duration) vital path methods. And Quizzes | 1 | 3 |
| 8 | Midterm Exam | 1 | 3 |
| 9 | computer models for planning | 1 | 3 |
| 10 | programming budget systems | 1 | 3 |
| 11 | Human and resources and supply | 1 | 3 |
| 12 | material collective management | 1 | 3 |
| 13 | material collective management | 1 | 3 |
| 14 | Project follow up | 1 | 3 |
| 15 | Oral exam | 1 | 3 |
| 16 | Final exam | 1 | 3 |
| TOTAL | | 16 | 48 |

4- Course Matrix

|  |  |  |
| --- | --- | --- |
| ILO’s code number | Teaching/learning methods and strategies | Assessment methods and strategies |
| 2.1.1  2.1.3 | * 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 report. | 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  2.2.2  2.2.5 | 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. |
| 2.3.3 | 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 | 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 Assignmentsonweek’s 9-11-14

Assessment 2 Quizzes on weeks 7

Assessment 3 midterm exam on week 8

Assessment 4 Oral exam on week 15

Assessment 5 Final exam on week 16

6- Weighting of assessments

30% Home assignments

10% Quizzes& midterm exam

30% Oral examination

30% Final-term examination

100% Total

7- List of References

6.1 Essential books.

* Delbert Charles Miller, Neil J. Salkind (2002) *Handbook of Research Design & Social Measurement. Edition: 6, revised. Published by SAGE*
* Mouton, J(2009) *Assessing the impact of complex social interventions. Journal of Public Administration, 44 (4.2),849-865*.

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 | 2.1.3 | 2.2.1 | 2.2.2 | 2.2.5 | 2.3.3 | | 2.4.1 | |
| 1 | Project management principles. | 3 |  |  |  |  |  |  | |  | |
| 2 | Project management principles and determinants. | 3 |  |  |  |  |  |  | |  | |
| 3 | Management hierarchal. | 3 |  |  |  |  |  |  | |  | |
| 4 | Functional structural organization. | 3 |  |  |  |  |  |  | |  | |
| 5 | project components. | 3 |  |  |  |  |  |  | |  | |
| 6 | Interrelations and value systems (financial/ technical and execution duration) vital path methods. | 3 |  |  |  |  |  |  | |  | |
| 7 | Interrelations and value systems (financial/ technical and execution duration) vital path methods. And Quizzes | 3 |  |  |  |  |  |  | |  | |
| 8 | Midterm Exam | 3 |  |  |  |  |  |  | |  | |
| 9 | computer models for planning | 3 |  |  |  |  |  |  | |  | |
| 10 | programming budget systems | 3 |  |  |  |  |  |  | |  | |
| 11 | Human and resources and supply | 3 |  |  |  |  |  |  | |  | |
| 12 | material collective management | 3 |  |  |  |  |  |  | |  | |
| 13 | material collective management | 3 |  |  |  |  |  |  | |  | |
| 14 | Project follow up | 3 |  |  |  |  |  |  | |  | |
| 15 | Oral exam | 3 |  |  |  |  |  |  | |  | |
| 16 | Final exam | 3 |  |  |  |  |  |  | |  | |

**9.2 Matrix 02: Aims & ILOs**

|  |  |  |
| --- | --- | --- |
| **Aims**  **ILO's** | **1** | **2** |
| 2.1.1 |  |  |
| 2.1.3 |  |  |
| 2.2.1 |  |  |
| 2.2.2 |  |  |
| 2.2.5 |  |  |
| 2.3.3 |  |  |
| 2.4.1 |  |  |

Course coordinator: Associate Prof. Said Abd el halem.

Course instructor Associate Prof. Said Abd el halem.

Date 12 /1 /2015