Course Specifications of:

Urban Economics

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

Compulsory or Elective element of program: Elective

Department offering the program: Architecture

Academic year / Level: year/ 2012 -2013

Date of specification approval: June 2012

1. Basic Information

Title : Urban Economics Code: Arc 618

Credit Hours: 3 Lecture: 3 practical

Semester work: 120 Final Exam:90 Practical: 90 Total: 300

1. Professional Information

1- Overall aims of course:

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

* graduate Architects having Urban Economics skills and comprehension of approaches, regarding urban economics issues involved in preparing city planning.
* provide graduate architects with the process methodology and practice informative knowledge incorporated in preparing urban economics.
* Promote understanding of public participation demand for attaining functionally efficient plans, satisfying addressed communities

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.

2.1.7 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.

2.2.3 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 | G.I.S | 1 | 3 |
| 2 | G.I.S | 1 | 3 |
| 3 | Building and Land Evaluation | 1 | 3 |
| 4 | Building and Land Evaluation | 1 | 3 |
| 5 | Land Value | 1 | 3 |
| 6 | Infra Structure Network | 1 | 3 |
| 7 | Infra Structure Network | 1 | 3 |
| 8 | Midterm Exam | 1 | 3 |
| 9 | Environmental Evaluation | 1 | 3 |
| 10 | Urban Management | 1 | 3 |
| 11 | Urban Management | 1 | 3 |
| 12 | Project follow up | 1 | 3 |
| 13 | Project follow up | 1 | 3 |
| 14 | Submission and discussions | 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 |
| 2.1.3  2.1.6 | * Equipped with the integrated/ comprehensive basis for understanding the nature of the urban design discipline, through lectures, seminars, tutorials, directed reading, case studies and independent preparation of urban design including scheme writing reports. | Assessment will be through individual coursework assignments, forum criticism and discussions and delivered reports regarding prepared urban design schemes. In addition to given final written examinations. Grades distribution system is shown in the curriculum table below. |
| 2.2.1  2.2.2 | * Urban design analytical capabilities, skills are developed through tutorial and small group exercises, oral and written essays. * Practical design skills are developed through preparing alternative concepts for urban design schemes and writing about the perceptive philosophy behind, and the proposed innovative ideas. | * Analysis and creative skills are assessed through oral and design concepts examinations. |
| 2.3.1  2.3.4 | . Experiments demonstrations, and practical work and how to skillfully and methodological writing about the diverse conceptual approaches and philosophy behind. | Practical skills are assessed through projects proposed designs and writing reports and provision of visual presentations and intellectual abilities regarding arguments raised in favor of the proposed design concepts. |
| 2.4.4/2.4.6 | * Presentations in annual seminars (compulsory to be attended by a panel of departmental staff and other students). * Attendance of workshops or conferences or internal seminars. | Project presentation |

5- Assessment schedule

Assessment 1 Assignments on weeks 7-9-11-14

Assessment 2 Midterm exam on week 8

Assessment 3 Oral exam on week 15

Assessment 4 Final exam on week 16

6- Weighting of assessments

30% Home assignments

10% Midterm exam

30% Oral examination

30% Final-term examination

100% Total

7- List of References

* [John F. McDonald](https://www.google.com.eg/search?hl=ar&tbm=bks&tbm=bks&q=inauthor:%22John+F.+McDonald%22&sa=X&ei=b46nUvq4MOmDyAPZrIHADw&ved=0CDIQ9AgwAA),(2010),[**Urban Economics and Real Estate: Theory and Policy**](http://books.google.com.eg/books?id=yZ_mH-P6OYQC&printsec=frontcover&dq=urban+economics&hl=ar&sa=X&ei=b46nUvq4MOmDyAPZrIHADw&ved=0CC4Q6AEwAA)
* El-Gonaimy, I. H., (2000) "**Monitoring the changes of urban expansion and land use pattern and its impacts on residential areas**", Unpublished PhD research, faculty of Engineering, Mansoura University,.
* Golany, G.,(1976) **New Town Planning Principles and Practice**. London : John Wiley and sons,.

د.هشام ابو سعدة – "الكفاءة و التشكيل العمراني(مدخل لتصميم و تخطيط المواقع)" - المكتبة الاكاديمية - 1994م.

د.فاروق عباس حيدر- "تخطيط المدن و القرى"- توزيع منشأة المعارف جلال حزي و شركاه-1994م .

د.هشام ابو سعدة – "الكفاءة و التشكيل العمراني(مدخل لتصميم و تخطيط المواقع)" - المكتبة الاكاديمية - 1994م.

8- Facilities required for teaching and learning

Lecture room equipped with overhead projector

Presentation board, computer and data show

Course coordinator: **Associate professor dr.**  **Ibrahim Sharaf Eldin**.

Course instructor: **Associate professor dr.** **Ibrahim Sharaf Eldin**

Date 12 / 5 /2012