

Faculty of Engineering & Technology

Urban Planning 1

Information :

Course Code : ARC 451

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Department of Architectural Engineering

Instructor Information :

| Title | Name | Office hours |
|--------------------|-------------------------------------|--------------|
| Professor | YEHYA MOHAMED MOHAMED SERAG | 5 |
| Assistant Lecturer | SOFIA AYAD ESKANDER DAWOUD | 3 |
| Assistant Lecturer | ETHAR ESSAM MAHMOUD ALY ELSHINAWY | 2 |
| Assistant Lecturer | BASMA MOHAMED NAGIB IBRAHIM KHALIFA | 1 |
| Assistant Lecturer | DINA MAHMOUD ABDELRAHMAN NOSEIR | 3 |

Area Of Study :

Upon successful completion of the course, the student should be able to:

1. Develop the students' knowledge to identify the different planning approaches used in the ancient civilizations, e.g. Egyptian, Mesopotamian and Greek civilizations.
 2. Train the students to distinguish between the different levels of urban planning, from region, to city to district.
 3. Prepare the students to use the urban planning survey techniques.
 4. Train the students to perform the different urban analysis and conducting the different urban studies.
- Prepare the students to formulate appropriate upgrading techniques for deteriorated city districts.
6. Train the students to come up with a professional master plan for the city district.
 7. Develop the students' knowledge of the different upgrading techniques for both the deteriorated and informal districts.

Description :

This course provides the basic understanding knowledge for the urban planning discipline. It illustrates the core methodology of urban planning that is used in the different levels of planning. The students are given a real time project focusing mainly on the district level. The course illustrates how to analyze the present urban situation, formulates a proper development and upgrading vision, and finally formulates a strategic plan for the upgrading of the city.

Course outcomes :

a. Knowledge and Understanding: :

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| 1 - | Classify the historical city planning approaches of the ancient civilizations. |
| 2 - | Identify the problems within the urban environment. |
| 3 - | Document the present situation of an urban context. |
| 4 - | Recognize the socio-economic and physical aspects of a given urban area. |
| 5 - | Know the conventional approaches of strategic urban planning. |
| 6 - | Outline a proper Master Plan on the city level. |

b. Intellectual Skills: :

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|-----|---|
| 1 - | Interpret the different urban fabrics within a city. |
| 2 - | Apply the different physical and urban surveys. |
| 3 - | Formulate planning alternatives that integrate social, economic and technical requirements. |
| 4 - | Develop the right planning decision to solve the urban planning problems. |

c. Professional and Practical Skills: :

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| 1 - | Show proper presentation techniques to represent his/her final proposal. |
| 2 - | Propose realistic strategies for planning and upgrading existing areas. |
| 3 - | Identify the related stakeholders in the planning projects. |
| 4 - | Apply the learned methods on realistic projects. |

d. General and Transferable Skills: :

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| 1 - | Discuss and defend his/her ideas. |
| 2 - | Work in a team from the beginning of the project to its end. |

Course Topic And Contents :

| Topic | No. of hours | Lecture | Tutorial / Practical |
|--|--------------|---------|----------------------|
| A common language in planning / Urban planning methodology | 4 | 2 | 2 |
| The city and its components / Making the base map /designing urban surveys | 4 | 2 | 2 |
| Introduction to the Course Planning History : Egypt | 4 | 2 | 2 |
| Visual analysis studies / | 4 | 2 | 2 |
| 1 st Midterm Presentation / Planning History: Mesopotamia | 4 | 2 | 2 |
| Urban problems, limitations and potentials / Traffic and transportation | 4 | 2 | 2 |
| Making a city Vision / Setting an upgrading strategy | 4 | 2 | 2 |
| Setting Planning Alternatives | 4 | 2 | 2 |
| 2 nd Midterm presentations / Planning History: Roman and Greek | 4 | 2 | 2 |
| Socio-economic studies | 4 | 2 | 2 |
| Dealing with Informal and deteriorated settlements 1 | 4 | 2 | 2 |
| Dealing with Informal and deteriorated settlements 2 | 4 | 2 | 2 |
| The Master Plan | 4 | 2 | 2 |
| Final follow up and discussion. | 4 | 2 | 2 |
| Final presentation and end work | 4 | 2 | 2 |

Teaching And Learning Methodologies :

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| Lectures |
| Applied Project |
| Search for Data (Self-study) |
| Project Presentations |

Course Assessment :

| Methods of assessment | Relative weight % | Week No | Assess What |
|-----------------------|-------------------|---------|-------------|
| Final Exam | 40.00 | | |
| First Mid Term Exam | 25.00 | | |
| Participation | 10.00 | | |
| Second Midterm Exam | 25.00 | | |

Course Notes :

Course notes are required.

Recommended books :

- EL.Wakil, S., Urban Planning: Principles, Basics & Applications, Cairo, 2006.
- Levy, J. Contemporary urban planning , Routledge, 2016.
- Weber, R. and Randal, C, The oxford handbook of urban planning, Oxford, 2015.

Periodicals :

- Town planning review.
- Journal of urban planning and development.

Web Sites :

<http://www.planning.org/planning/>