

## Faculty of Engineering & Technology

### Urban Planning 2

#### Information :

**Course Code :** ARC 551

**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	ETHAR ESSAM MAHMOUD ALY ELSHINAWY	1
Assistant Lecturer	DINA MAHMOUD ABDELRAHID NOSEIR	5
Teaching Assistant	Heba Mohamed Abdullah Ahmed Ghuneim	

#### Area Of Study :

- 1- Prepare the students to understand the meaning and causes of urban transformation.
- 2- Develop the students' knowledge to apply the concepts of regional development.
- 3- Train the students to apply the process of strategic regional planning.
- 4- Prepare the students to identify urban, social, political, economic and environmental problems
- 5- Develop the students' knowledge to relate and connect socio-cultural, socio-political, socio-economic issues to urbanism
- 6- Train the students to use computer applications and contemporary software in data presentation
- 7- Train the students to work in teams (team work)
- 8- Prepare the students to share ideas and communicate with others

#### Description :

The course introduces the concepts of regional development and planning as the largest scale of planning practice. The students also get to know the principles of urban transformation and the causes for such transformations. The students are invited to apply the gained knowledge through actual project(s) within the Egyptian context, with the aim of formulating a strategic regional plan for a selected region in Egypt. This is to be followed by learning how to make a structural plan for a medium sized city within the scope of the regional plan.

#### Course outcomes :

##### **a. Knowledge and Understanding: :**

1 -	Review the basic principles of Regional Planning and its methodology
2 -	Differentiate between the different levels of planning
3 -	Illustrate the concept of urban transformation and its relation to planning
4 -	Interpret the concepts, and location of new settlements

##### **b. Intellectual Skills: :**

1 -	Analyze the region in existing and new developments, assess and evaluate its elements and components
2 -	Suggest alternative solution and locations for new developments on the regional level

3 -	Analyze urban, social, political, economic assets and problems in the region and relate them to regional planning
4 -	Propose designs for new cities and settlements

**c. Professional and Practical Skills: :**

1 -	Originate the causes of urban transformation
2 -	Indicate the level of development within a specific region through given data
3 -	Integrate the different spatial and environmental issues in a region to produce a good plan.
4 -	Plan new cities and strategies

**d. General and Transferable Skills: :**

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
Introduction to Urban Transformation	4	2	2
Mini project announcement: Urban transformation of Downtown Cairo	4	2	2
Regional Development Strategies	4	2	2
Planning of the Halayeb triangle in Egypt/ impacts of politics on the development of non-core regions in Egypt	4	2	2
1st Midterm Presentation: Submission of the Mini Project	4	2	2
Introduction to the regional planning project	4	2	2
Analyzing the present situation of the region / case study : Nubia Region	4	2	2
Identifying the Problems / Constraints and potentials . SWOT analysis	4	2	2
2nd Midterm presentations	4	2	2
Developing the regional upgrading strategy	4	2	2
Developing different planning proposals	4	2	2
The Regional Master Plan	4	2	2
Structural Planning of a new Settlement (1)	4	2	2
Structural Planning of a new Settlement (2)	4	2	2
Final presentation and end work	4	2	2

**Teaching And Learning Methodologies :**

Lecture.
Applied Projects.
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 Year Work (Quiz - 1st Submissions - 2nd Submissions)	25.00		
Participation	10.00		
Second Mid Term Year Work (1st Submissions - 2nd Submissions - Quiz)	25.00		

### **Course Notes :**

No Course notes are required.

### **Recommended books :**

1. EL.Wakil, S., Urban Planning: Principle, Basics & Applications, Cairo, 2006.  
 2. Hall, P. Urban and Regional planning, Routledge , 2010  
 3. Weber, R. and Randal, C, The oxford handbook of urban planning, Oxford, 2015.

### **Periodicals :**

1. Town planning review  
 2. Journal of urban planning and development

### **Web Sites :**

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