



**University/Academy:** Arab Academy for Science, Technology & Maritime Transport  
**Faculty/Institute:** College of Engineering & Technology  
**Program:** B.Sc. Architectural Engineering and Environmental Design

### Form no. (12): Course Specification

#### 1- Course Data

Course Code: <b>AR 441</b>	Course Title: <b>Introduction to City and Regional Planning</b>	Academic Year/Level: <b>4<sup>th</sup> year / 7<sup>th</sup> semester</b>
Specialization: <b>Architecture</b>	No. of Instructional Units <b>Credit 3                      Lecture 2                      Tutorial 2</b>	Prerequisite <b>None</b>

#### 2- Course Aim

This course is an introduction to the field of planning. Students begin by studying planning and its different levels, concepts and related physical, social and economic phases. Subsequently, students learn about the role of the planner in creating sustainable environments for social, economic and cultural requisites of the society on a local, regional, and national level with application on Egypt.

**The course aims to:**

- Provide the student with the main knowledge of the discipline of "Planning".
- Enhance the student's practical skills regarding the levels, concepts, physical, social and economic phases of planning.
- Assist the student to create sustainable environments designed for the social, economic and cultural requisites of the society.

#### 3- Intended Learning Outcomes

<b>a- Knowledge and Understanding</b>	<p><b>Through knowledge and understanding, students will be able to:</b></p> <ul style="list-style-type: none"> <li>• Associate with underlying theories: conceptual thinking, and policy formulation, evaluation and implementation.</li> <li>• Explain socio-economic change and its spatial outcomes, development and nature of land and property markets: environmental, ecological and physical change: interaction in the built and natural environments, interrelationships between land-uses and human activities in multi-dimensional space, including traffic and transport.</li> <li>• Give examples of planning as a discipline, specialists' knowledge with some professionalism.</li> <li>• Define the consequences of design decisions on natural systems and the interrelationships between them.</li> <li>• Mention the historical, cultural, sustainable and political context and principles of planning.</li> </ul>
<b>b- Intellectual Skills</b>	<p><b>Through intellectual skills, students will be able to:</b></p> <ul style="list-style-type: none"> <li>• Analyze planning problems effectively and be creative problem solvers.</li> <li>• Evaluate arguments, political, legal and institutional, administrative frame works and procedures in planning.</li> <li>• Analyze the evolution and practice of planning.</li> </ul>
<b>c- Professional Skills</b>	<p><b>Through professional and practical skills, students will be able to:</b></p> <ul style="list-style-type: none"> <li>• Design for economic development, regional planning, sustainable development, transport planning, and urban regeneration</li> <li>• Collect information and make use of the evidence and sources.</li> <li>• Identify and recognize potentials.</li> <li>• Prepare plans of existing, restored and newly created landscapes.</li> </ul>

<b>d- General Skills</b>	<p><b>Through general and transferable skills, students will be able to:</b></p> <ul style="list-style-type: none"> <li>• Write structured reports in accordance with the standard scientific guidelines.</li> <li>• Present research in seminars, discuss findings, defend his/her ideas, communicate effectively in writing, verbally and through drawings and models.</li> <li>• Independently seek knowledge, set aims, targets, objectives and plan to meet them with a deadline (time management).</li> <li>• Listen and critically respond to the views of others.</li> </ul>
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#### 4- Course Content

<b>Week No.1</b>	Introduction: Definitions and scope of planning (planning levels including national, regional, city and town planning.)
<b>Week No.2</b>	City origin and development: historical background.
<b>Week No.3</b>	City origin and development: historical background.
<b>Week No.4</b>	Planning theories (1)
<b>Week No.5</b>	Planning theories (2)
<b>Week No.6</b>	City region concept (economic, social and transport planning)
<b>Week No.7</b>	Continuation of the previous lecture and evaluation.
<b>Week No.8</b>	The city region concept
<b>Week No.9</b>	Economic, social and transport planning
<b>Week No.10</b>	Elements of master planning
<b>Week No.11</b>	Elements of master planning
<b>Week No.12</b>	Continuation of the previous lecture and evaluation.
<b>Week No.13</b>	Slum areas
<b>Week No.14</b>	Final project presentation
<b>Week No.15</b>	General revision

#### 5- Teaching and Learning Methods

<p>The course comprises a combination of: Lectures, class activities, discussion sessions, small group supervisions, and project work.</p>
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#### 6-Teaching and Learning Methods for Students with Special Needs

<ul style="list-style-type: none"> <li>• Consulting with lecturer during office hours.</li> <li>• Consulting with teaching assistant during office hours.</li> <li>• Private sessions for redelivering the lecture contents.</li> <li>• For handicapped accessibility, please refer to program specification.</li> </ul>
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## 7- Student Assessment

Students must present two projects per semester. This consists of a first project to be submitted in the 7<sup>th</sup> week, the second one to be submitted in the final exam week.

Asses No.	Procedures used		Start Week No.	Subm. Week No.	Weighting of Asses.
	Type	To assess			
1	Project	Knowledge and understanding.	1	7	20%
2	Written exam.	Knowledge and understanding.	7	7	10%
3	Project	Knowledge and intellectual skills.	1	12	10%
4	Written exam.	Knowledge and understanding.	12	12	10%
5	Project Performance & Attendance	Intellectual and transferable skills.	1	15 15	5% 5%
6	Written exam.	Knowledge and understanding.		17	40%
<b>Total</b>					100%

## 8- List of References:

<b>a- Course Notes</b>	Notes are handed out to the student regularly.
<b>b- Required Books (Textbooks)</b>	<ul style="list-style-type: none"> <li>• GALLION, A.B., EISNER, S., <i>The Urban Pattern</i>, Van Nostrand Reinhold, 1998.</li> </ul>
<b>c- Recommended Books</b>	<ul style="list-style-type: none"> <li>• BRANCH, Melville, <i>Comprehensive City Planning</i>, American Planning Association, Washington DC, 1985.</li> <li>• CUTHBERT, Alexander, <i>Designing Cities: Critical Readings In Urban Design</i>, Oxford, 2003.</li> <li>• ECHENIQUE, Marcial, <i>Cities For the New Millennium</i>, Spon (E. &amp; F.N.), London, 2001.</li> <li>• JENKS, Mike, <i>Future Forms and Design for Sustainable Cities</i>, Architectural Press, London, 2005.</li> <li>• LEVY, John, M., <i>Contemporary Urban Planning</i>, 3rd ed., New Jersey: Prentice – Hall, 1994.</li> <li>• KEVIN, Lynch, <i>A Theory of Good City Form</i>, The MIT Press, Cambridge, Mass., 1985.</li> <li>• MARSH, Benjamin, <i>An Introduction to City Planning</i>, Arno Press, New York, 1974.</li> </ul>
<b>d- Periodicals, Web Sites, etc.</b>	N/A