



King Saud University
College of Architecture & Planning
Department of Urban Planning

First term 2007/2008

Course Description

1. **Course's code:**
PL 260
2. **Course's name:**
Planning and Designing of residential neighborhood (Project-3)
3. **Faculty members:**
*Dr. Ziad Ahmad Alameddine
Dr. Esam Al-Din Osman*
4. **Teaching assistants:**
*Eng. Hayan Rozy
Eng. Majed El-Halaf*
5. **Credit hours/actual teaching:**
5 credit hours/ 10 hours (studio)
6. **Curriculum Level:**
Level VI
7. **Prerequisite courses:**
PL 250 – Project 2
8. **Associated courses:**
No Associated courses are required

9. **Introduction:**

Project-3 (PL260) is considered as one of the fundamental courses of the curriculum of the Urban Planning Department in the College of Architecture and Planning. Students who are registered in this course are expected to successfully pass a prerequisite planning course (PL250), of which they have acquired basic planning skills. Project-3 put emphasis on teaching students the design and planning processes of residential neighborhoods. Such processes are being introduced to students through the preparation of preliminary studies, analysis,

and detailed alternatives of the project. Through out the duration of the course, students are to consider design and planning criteria as well as other various factors that influence the development of their project. In addition, students are taught the use of the computer aided design techniques in accomplishing all the project stages.

10. Course’s overall objectives:

Project 3 main objectives are as follows:

- *To develop skills and capabilities acquired from previous semesters, through the preparation of various analytical studies leading to the development of the project’s planning concept.*
- *To understand the principle elements in residential neighborhood planning.*
- *To set goals, resolutions and or strategies regarding the planning and designing of residential neighborhoods.*
- *To boost abilities in order to generate innovative ideas and detailed alternatives, taking into account the planning and design standards and factors that influence the surrounding community.*
- *To develop the ability to use the computer technologies that assist in demonstrating design ideas through the different phases of the project.*

11. Project’s phases

Serial	Subjects covered by course	No. of weeks	Taught hours	Lectures/ hour	Practical sessions/ hour
1.	<i>Determination of the site’s location; obtain topographic survey map, the vicinity Approved and as existing plans; identify the urban character of the surrounding of neighborhoods</i>	1	10	4	6
2.	<i>Field visits to the site; review of similar cases studies (local and international) through studying and analyzing various existing schemes of neighborhoods in various cities and particularly aerial maps obtained from “Google Earth”.</i>	2	10	4	6
			10	4	6

3.	<i>Studying and analyzing the Existing condition of the urban surroundings and the analysis of the natural features of the project's land</i>	2	10	4	6
			10	4	6
4.	<i>Neighborhood planning and design considerations/area schedule and land use percentages</i>	1	10	4	6
5.	<i>Development of planning and design alternatives (three alternatives are required)</i>	3	10	2	8
			10	2	8
			10	2	8
6.	<i>Preparation of Land use plan and detailed master plan of the preferred alternative; pre-final presentation of the project.</i>	2	15	0	10
			5	0	5
7.	<i>Preparation for final presentation</i>	2	20	0	20

12. Education sources:

Referenced book/textbooks:

There is no specific reference book designated for this studio course, because of the wide range of literature that covers the various stages of the project. Thus students should write notes during lectures. In addition, they should rely on a number of references, to fulfill the requirements of the topics presented in lectures, which can be obtained from the college's library or the university central library. Students should also develop the ability to achieve an acceptable level of English language, to enable them to review the available references. Students must browse the World Wide Web for relevant materials and references.

13. Teaching Methods:

The project main focus is to teach the student the various planning and designing stages that are related to of neighborhood projects, through the following teaching methods:

- *Giving theoretical lectures to define the nature, methodology and various stages of the project.*
- *Conducting forums, seminars, and regular discussions, whereby the student presents his ideas and studies and obtains feed back from teachers and class-mates.*

- *Evaluating student's work and identifying issues to be rectified throughout the development stages of the project.*
- *Follow up of students' computer skills, to maximize abilities in clarifying, presenting and demonstrating the project's drawings and report required.*
- *Carrying out sketch designs to examine the student's knowledge obtained at different project stages.*

14. Evaluation:

- *Attendance and contribution to the studio* 10%
- *Sketch designs* 20%
- *Juries and presentations* 30%
- *Pre-final Jury* 10%
- *Final jury* 30%

15. References:

a. English references:

- DE CHIARA, J / KOPPELMAN, LEE: The Urban Planning and Design Criteria. New York: Van Nostrand Reinhold Company, 1975
- LYNCH, K: Site Planning. Massachusetts: The M.I.T Press, 1977
- NEWMAN, O: Defensible Space. London: Architectural Press, 1973.
- NEUFERT, E: Neufert Architects' Data. London, Toronto, Sydney, New York: GRANADA, 1980.

b. Internet references:

- *DOVER CODE: SUBDIVISION OF LAND, Chapter 155, [AS ADOPTED 08/26/86].*
<http://www.ci.dover.nh.us/Archives/Code/ch155.pdf#search='land%20subdivision>
- *SUBDIVISION OF LAND*
http://www.goredc.govt.nz/documents/district_plan/Chapter_08_Subdivision.pdf#search='land%20subdivision'
- *PLATTING AND LAND SUBDIVISION REGULATIONS FOR CASS COUNTY*
http://service.govdelivery.com/service/docs/NDCASS/NDCASS_33/NDCASS_33_20020327_en.pdf#search='land%20subdivision'

c. Arabic references:

16. **Supportive facilities**

The College of Architecture and Planning allocates, through its Computer Center, a fully equipped computer laboratory with more than 45 computers of high specification geared with the latest software. In addition, the computer lab incorporates devices of high technological specifications including A0 scanners, A0 color plotters, and A4 and A3 color laser printers.