

DEPARTMENT OF CITY AND REGIONAL PLANNING

Chairman

Dr. Adel S. Al-Dosary

Faculty

Alshuwaikhat
Al-Naser

Al-Dosary
Rahman

Nahiduzzaman
Al-Ramadan

Planning is concerned with the forces that generate social development, locational change, economic growth, and in understanding the ways in which resources can best be used. The graduate program in City and Regional Planning at KFUPM is a multi-disciplinary problem-solving curriculum oriented towards the identification and solution of current and future city and regional problems. Nowadays the Master's degree in City and Regional Planning is considered the “standard” professional degree of the field. The program is designed to prepare students to effectively integrate social, economic, legal, political, and scientific theories with planning techniques.

The graduate program at KFUPM is distinctive among planning programs nationally in its emphasis on computer-aided planning and quantitative methods and models useful for rigorous, and systematic analysis of complex problems. The goal of the program is to educate future planners to guide the development of the social, economic, natural and built environments in order to improve the quality of life for people. Graduates in City and Regional Planning enjoy a wide variety of employment options. Their unique multidisciplinary and problem-solving education provides them with the ability to grasp the effects of new technology on all aspects of our society. They find employment with government agencies, consulting firms, as well as in academic institutions.

Admission Requirements

Admission to the program requires fulfilling all requirements of the Deanship of Graduate Studies. In addition, a student must hold a B.Sc. in City (or Urban) Planning, Architecture, Architectural Engineering, or Civil Engineering. Applicants from programs such as Systems Engineering, Economics, Geography, and other related fields will be required to take deficiency courses depending on their background.

MASTER OF CITY AND REGIONAL PLANNING

Degree Requirements

(a) Core Courses (27 credit hours)			Credit Hours
Planning Theory	CRP 501		3
Planning Legislation	CRP 502		3
Urban and Regional Land Use	CRP 503		3
Urban Economics	CRP 504		3
Statistical Analysis in Planning	CRP 505		3
Urban Planning Methods	CRP 506		3
Geographic Information Systems (GIS)	CRP 514		3
Seminar	CRP 599		0
Final Planning Project	CRP 601		6
(b) Elective Courses (15 credit hours)			
Two CRP Courses	CRP xxx		6
Two Technical Elective Courses	XXX xxx		6
One Non-CRP Elective Course	XXX xxx		3

The elective courses can be selected from three areas of speciality:

Area I: CRP 507, 511, 512, 513, 515, 519, SE 501, 523, OM 552, MIS 502, CEM 514

Area II: CRP 521, 522, 523, 524, 526, 527, ECON 501, MGT 501, 552, 562, FIN 531, ARE 520, 528

Area III: CRP 531, 532, 533, 534, 535, 536, 537, 538, CE 571, 593, 635, 676, CEM 510

Degree Plan

COURSE	TITLE	LT	LB	CR	COURSE	TITLE	LT	LB	CR
First Year									
CRP 501	Planning Theory	3	0	3	CRP 504	Urban Economics	3	0	3
CRP 502	Planning Legislation	3	0	3	CRP 506	Urban Planning Methods	3	0	3
CRP 503	Urban and Regional Land Use	3	0	3	CRP 514	Geographic Information Systems (GIS)	3	0	3
CRP 505	Statistical Analysis in Planning	3	0	3	CRP xxx	CRP Elective I	3	0	3
		12	0	12			12	0	12
Second Year									
CRP xxx	CRP Elective II	3	0	3	XXX xxx	Elective II	3	0	3
XXX xxx	Non-CRP Elective	3	0	3	CRP 601	Final Planning Project	1	12	6
XXX xxx	Elective I	3	0	3					
CRP 599	Seminar	1	0	0					
		10	0	9			4	12	9
Total credit hours required in Degree Program : 42									

- The order of taking the courses can be different from above but students must take the core courses before electives.

CITY AND REGIONAL PLANNING

CRP 501 Planning Theory (3-0-3)

History and definition of planning, determinants, goals and objectives of spatial planning. Role, legitimacy and authority of planning. General and specific theories, such as descriptive, prescriptive and normative theories, and the context of developing countries.

Prerequisite: Graduating Standing

CRP 502 Planning Legislation (3-0-3)

An overview of planning legislation and a short history of planning process in Saudi Arabia. Methods, techniques and instruments for implementing plans through decrees and administrative acts, the basis for urban and regional planning and its relation to Shariah Law as well as the structure and organization of Saudi public planning administration. Discussion of zoning procedures, subdivision, review practices, and budget preparation and execution.

Prerequisite: Graduating Standing

CRP 503 Urban and Regional Land Use (3-0-3)

History and definition of land use planning. The concept of policy, programming and planning. Determinants and systems guiding land use development. Socioeconomic development and land use. Space requirements, spatial distribution and localization concepts. Land use planning models, and procedures for formal land use plans.

Prerequisite: Graduating Standing

CRP 504 Urban Economics (3-0-3)

Issues of population distribution and economic activities in urban areas. Microeconomic principles, and economic nature of urban systems. Economic aspects and models of urban growth and city size, land use pattern, housing, transportation, environmental problems, unemployment, and public policy.

Prerequisite: Graduating Standing

CRP 505 Statistical Analysis in Planning (3-0-3)

Probability, statistics, decision theory and their applications in city planning. Basic probability concepts, data classification and summarization. Statistical sampling, hypothesis testing, goodness of fit, regression analysis, analysis of variance, contingency tables, and elementary Bayesian decision making. Use of computer statistical packages.

Prerequisite: Graduating Standing

CRP 506 Urban Planning Methods (3-0-3)

Context and role of data and analysis in city and regional planning. Design of survey including questionnaire planning and construction, data collection and data processing. Methods and techniques used in planning such as forecasting, decision models, program evaluation and selection, program scheduling, etc.

Prerequisite: CRP 505

CRP 507 Computer-Aided Planning (3-0-3)

Information and experience in the rapidly growing field of Computer-Aided Planning. Management Information Systems (MIS), Geographic Information Systems (GIS),

CRP 538 Environmental Planning and Management (3-0-3)

Major aspects of environmental analysis, planning and management. Problems and principles of site analysis, land use methods, and geologic hazard planning. Natural resource, pollution and residuals management. Economics of renewable and non-renewable resources, and the economic cost of environmental controls. Environmental impact assessment and local case studies of environmental management.

Prerequisite: Graduating Standing

CRP 590 Special Topics in City and Regional Planning (3-0-3)

Advanced topics are selected from the broad area of city and regional planning.

Prerequisite: Graduating Standing

CRP 599 Seminar (1-0-0)

A graduate student working towards his MCRP degree is required to take this course prior to the end of his degree program and contribute to the general area of his Final Planning Project research. Grades are Pass or Fail.

Prerequisite: Graduating Standing

CRP 601 Final Planning Project (1-12-6)

The student has to utilize his knowledge and skills developed during his graduate studies in dealing with a complete city and regional planning problem under the supervision of a CRP graduate faculty member. The student is expected to deal with the selected topic in his chosen area of focus. The Final Planning Project report will be presented and evaluated by a faculty committee representing the student's area of focus.

Prerequisite: All core courses, At least four elective courses