# COMMUNITY AND REGIONAL PLANNING (CRPL)

## CRPL 800 Introduction to Planning

**Description:** Field of community and regional planning introduced and studied in relation to the history of cities, urbanization, and regionalization. Origins and evolution of American urban and regional planning practice. The planning process as a response to social, political, physical, and economic factors is analyzed. Introduces the community comprehensive planning process, plan implementation, and functional areas of planning.

**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC

## CRPL 802 Planning Theory

**Prerequisites:** or parallel: CRPL 800

**Description:** Linkages between knowledge and organized action in planning practice are analyzed in terms of philosophical underpinnings, decision theory, programming, policy formulation, politics, goals, values, and social change. Historical traditions of contemporary planning theory. The identities, roles, and relationships of planners with society.

**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC

## CRPL 804 Legal Aspects of Planning

**Prerequisites:** or parallel: CRPL 800 or permission

**Description:** Applications of constitutional, common, administrative, and statutory law in the planning process are studied. Roles of the branches of American government in the regulation and control of land use and development, as well as in the planning, development, and delivery of public services and facilities. Legal theories, issues, cases, and applications relevant to professional planning practice, as well as the legal responsibilities of participants in the planning process.

**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC

## CRPL 810 Qualitative Techniques for Planners

**Description:** Applied qualitative research techniques. Interpret verbal data generated by the community. Organize, categorize, and analyze the words (data) into critical empirical comparable units of analysis. Optimize listening skills; techniques to incorporate qualitative community concerns into the planning process; and epistemological insights on how to combine data obtained from divergent research methods into a single research project.

**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC

## CRPL 820 Grant Writing and Fund-raising

**Crosslisted with:** CRPL 420

**Prerequisites:** Senior standing.

**Description:** Introduces and familiarizes the student with the theory and practice of fund-raising and grant writing. Overview of the principles and concepts of philanthropy and the basic issues of fund-raising. Skills of writing a case statement, conducting a donor search and analysis, designing a fund-raising vehicle, and writing grant applications in "real world" situations.

**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC

## CRPL 830 Planning with GIS

**Prerequisites:** Admission to the MCRP program or permission

**Description:** Theory and practice of geographic information systems use in planning. Selection and use of computer software and data for problem solving and decision making in community and regional planning. Specific planning-related applications of geographic information systems, spreadsheet modeling, and data base management.

**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC

**Prerequisite for:** CRPL 432, CRPL 832

## CRPL 832 Advanced Spatial Analysis with GIS

**Prerequisites:** CRPL 830 or introductory level GIS or equivalent or permission

**Description:** Provides advanced level instruction on the knowledge and methods needed for the complex spatial analysis in developing and utilizing geographic information in planning. The main subjects to be covered are advanced analysis with raster, network analysis, 3D modelling and visualization, spatial-statistical analysis, and geodatabase management. This course also includes wide variety of real world settings for GIS analysis and spatial decision making in planning - from a broad and practical perspective.

**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC

**Prerequisite for:** CRPL 432, CRPL 832

## CRPL 833 GIS in Environmental Design and Planning

**Crosslisted with:** CRPL 433

**Prerequisites:** Permission

**Description:** This course provides an introduction of contemporary theories, principles, and methods of environmental survey and analysis in environmental design and planning. It includes an analysis of the critical environmental elements, their interrelationships, and human interactions in environmental design and planning. This course emphasizes synthesizing Geographical Information System (GIS) spatial analysis skills and environmental analysis knowledge into a coherent concept for practical applications. By the end of the course, it is expected that students will have the ability to use GIS to perform environmental spatial analysis and site analysis.

**Credit Hours:** 3  
**Max credits per semester:** 3  
**Max credits per degree:** 3  
**Format:** LEC
CRPL 840 Planning Methods and Analysis
Prerequisites: Principles of statistics course; CRPL 800; CRPL *830; community and regional planning major
Description: Analytical methods and techniques for research, problem solving, and decision making are studied and applied within the context of the planning process. Statistical analyses; forecasting methods; optimization techniques; models and simulation techniques; and methods of demographic, economic, land use, and policy analyses are studied in relation to community and regional planning.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

CRPL 841 Researching Quality of Life
Crosslisted with: CRPL 441
Description: The central goal of the course is to help students think critically about issues related to people's quality of life in contemporary communities. How the quality of life of individuals and groups is influenced by the social, psychological, physical, economic and demographic conditions in their environment. It teaches how to systematically carry out an applied research project--how to study a research problem, analyze data, and effectively communicate the results of the research.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

CRPL 860 Planning and Design in the Built Environment
Crosslisted with: CRPL 460
Prerequisites: Senior standing.
Description: Introduces principles and practices of planning, design, and implementation for multiple-structure built environments. Influences of physical, social, environmental, and economic factors upon planned and designed environments. Various planning and design methods, processes, and products introduced. Means of project implementation explored, and examples of existing and proposed projects studied.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

CRPL 870 Environmental Planning and Policy
Crosslisted with: CRPL 470
Prerequisites: Senior standing.
Description: Introduces environmental planning, including its history and origins. Major environmental issues throughout the world, and the roles of planning in addressing these problems. Environmental planning process and environmental legislation.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

CRPL 871 Environmental Impact Assessment
Crosslisted with: CRPL 471
Description: This class provides an overview of "environmental impact assessment" in the United States. This course explores how to conduct environmental impact assessments, environmental impact analysis, review of environmental impact statements, and use of various regulatory review processes. It emphasizes the significant environmental legislation - National Environmental Policy Act (NEPA). NEPA applies to all federal agencies and most of the projects and decisions. This class introduces the background and implementation of the NEPA, and explains the preparation of environmental impact statements (EISs). This class covers the major themes of environmental impacts assessment, including air pollution, water quality, land resources, cultural resources, archaeology, traffic, noise, transportation, and so on. This interdisciplinary class fits students in all departments, including Natural Resources Management, Environmental Studies, Civil Engineering, Wildlife and Fisheries, Planning, Landscape Architecture, Architecture, Public Policy, and others.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

CRPL 872 Hazard Mitigation Planning
Crosslisted with: CRPL 472
Description: Overview of theory, principles, methodology, and procedures of planning for hazards, disasters, and emergencies in communities and regions, with the goal of reducing vulnerabilities and increasing resiliency in the disaster management cycle: mitigation, preparation, response, and recovery.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

CRPL 875 Water Quality Strategy
Crosslisted with: NRES 475, NRES 875, SOCI 475, SOCI 875, SOIL 475, WATS 475, AGRO 475, AGRO 875, CIVE 475, CIVE 875, CRPL 475, GEOL 475, GEOL 875, MSYM 475, MSYM 875, POLS 475, POLS 875
Prerequisites: Senior standing or permission.
Notes: Capstone course.
Description: Holistic approach to the selection and analysis of planning strategies for protecting water quality from nonpoint sources of contamination. Introduction to the use of methods of analyzing the impact of strategies on whole systems and subsystems; for selecting strategies; and for evaluating present strategies.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

CRPL 880 Economic Development Planning
Crosslisted with: CRPL 480
Prerequisites: Senior standing.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC
CRPL 881 Planning in Developing Countries
Description: Introduction to the comparative study of urbanization and planning in developing countries. Social, economic, and spatial organization of Third World cities, including international trends, theories of development, life in these cities, and how the people and governments of Third World countries attempt to cope with their problems and plan for a better future.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

CRPL 889 Urbanization of Rural Landscapes
Crosslisted with: AGRO 489, AGRO 889, CRPL 489, HORT 489, HORT 889
Prerequisites: Senior standing, graduate standing, or permission.
Description: Development converts rural landscapes into housing, roads, malls, parks, and commercial uses. This process fragments landscapes and changes ecosystem functions, drives up land prices, and pushes agriculture into more marginal areas. This multi-disciplinary, experiential course guides students in learning about the urbanization process, the impacts on landscapes, people, and the community, and the choices that are available to informed citizens.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

CRPL 890 Professional Seminar
Prerequisites: Community and regional planning major
Description: Diverse issues relating to contemporary professional planning practice are studied through abbreviated case studies and presentations by visiting specialists and participants in the planning process. Interrelated social, economic, political, and physical factors affecting specific planning situations. Current and emerging roles for professional planners.
Credit Hours: 1
Max credits per semester: 1
Max credits per degree: 1
Format: LEC

CRPL 895 Selected Topics in Community and Regional Planning
Crosslisted with: CRPL 495
Prerequisites: Senior standing.
Description: Aspects of community and regional planning not covered elsewhere in the curriculum are presented as the need arises.
Credit Hours: 1-9
Min credits per semester: 1
Max credits per semester: 9
Max credits per degree: 9
Format: LEC

CRPL 896 Special Problems in Community and Regional Planning
Crosslisted with: CRPL 496
Prerequisites: Senior standing and permission.
Description: Individual or group investigations of problems relating to community and regional planning.
Credit Hours: 1-9
Min credits per semester: 1
Max credits per semester: 9
Max credits per degree: 9
Format: IND

CRPL 897 Planning Internship
Prerequisites: Community and regional planning major and permission
Description: Supervised practical experience in a planning-related organization.
Credit Hours: 1-4
Min credits per semester: 1
Max credits per semester: 4
Max credits per degree: 4
Format: IND

CRPL 898 Professional Project
Prerequisites: MCRP degree candidate and permission of department graduate committee
Description: Professional project is a non-thesis culmination of the MCRP degree program. The professional project emulates professional planning practice and is pursued individually by the student with supervision by a faculty advisory committee.
Credit Hours: 1-6
Min credits per semester: 1
Max credits per semester: 6
Max credits per degree: 6
Format: IND

CRPL 899 Masters Thesis
Prerequisites: Admission to MCRP degree program and permission of major adviser
Credit Hours: 1-10
Min credits per semester: 1
Max credits per semester: 10
Max credits per degree: 99
Format: IND

CRPL 900 Professional Planning Practice
Prerequisites: Prereq or parallel: CRPL 800
Description: Current concepts, ideas, and issues relating to professional planning practice are studied. Contexts of planning practice, the professional planner’s relationship to society, ethics in professional planning practice, and political and organizational behavior in plan making and policy implementation. Roles of citizens, client groups, and consultants in the planning process. Forms of collaborative problem solving, including mediation and negotiation. Planning office and project management issues and approaches, including personnel administration and project financing and budgeting.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC

CRPL 990 Planning Studio
Prerequisites: CRPL 800, 830, 840; MCRP degree candidate
Description: Application and synthesis of multi-disciplinary philosophies, theories, methods, analyses, and techniques of planning in the context of contemporary complex planning projects. Individual and team approaches pursued in specific project contexts for survey research, definition of research questions and hypotheses, analyses, creative problem solving, formulation and evaluation of alternatives, plan making, and development of implementation strategies.
Credit Hours: 3
Max credits per semester: 3
Max credits per degree: 3
Format: LEC