

COMMUNITY AND REGIONAL PLANNING (CRPL)

CRPL 300 The Community and the Future

Description: Images and implications of the community of the future. Envisioning the future, the nature of the community, community development and planning, strategic planning, futuristic theory and practice, paradigms and dilemmas, sustainable development, neo-traditional town planning, the new urbanism, and sustainable design. Multi-media presentations. Exploration, description, and explanation of the emerging imperatives affecting our homes and towns. Critical thinking about global issues within local environmental, economic, and socio-cultural contexts.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

ACE: ACE 9 Global/Diversity

CRPL 400 Introduction to Planning

Crosslisted with: CRPL 800

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

Grading Option: Graded with Option

Prerequisite for: CRPL 991

ACE: ACE 8 Civic/Ethics/Stewardship

CRPL 420 Grant Writing and Fund-raising

Crosslisted with: CRPL 820

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

Grading Option: Graded with Option

CRPL 430 Planning with GIS

Crosslisted with: CRPL 830

Description: Theory and practice of spatial analysis and visualization with geographic information systems in planning. Selection and use of computer software and data for problem solving and decision making in community and regional planning and related fields. Various practical applications of geographic information systems, visualization, spatial analytics, geospatial mapping, modeling, and geo-database management. Hands-on training

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

Prerequisite for: CRPL 432, CRPL 832; CRPL 840; CRPL 990; CRPL 991

CRPL 432 Advanced Spatial Analysis with GIS

Crosslisted with: CRPL 832

Prerequisites: CRPL 830 or introductory level GIS or equivalent

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

Grading Option: Graded

CRPL 433 GIS in Environmental Design and Planning

Crosslisted with: CRPL 833

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

Grading Option: Graded

CRPL 441 Researching Quality of Life

Crosslisted with: CRPL 841

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

Grading Option: Graded

CRPL 460 Planning and Design in the Built Environment**Crosslisted with:** CRPL 860**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**Grading Option:** Graded with Option**CRPL 463 Land Use and Transportation Planning****Crosslisted with:** CRPL 863

Description: Explores the connection between transportation planning, land use, and urban form. Review the history and policies that have shaped current transportation systems, and the planning tools available to influence this process. Address planning for multiple modes of transportation (car, bus, bike, walk) and the implications of transportation planning for health, equity, and sustainability.

Credit Hours: 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**Offered:** SPRING**CRPL 464 Urban Design****Crosslisted with:** CRPL 864

Notes: The course is interdisciplinary in nature, and students from any academic background are welcome. There are no specific course prerequisites, and students are not required to have any formal training in design.

Description: The history and practice of urban design in planning. Focuses on the overlapping fields of design and planning, as well as the myriad impacts of urban design.

Credit Hours: 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**Offered:** FALL**CRPL 467 Active and Healthy Community Development****Crosslisted with:** CRPL 867

Description: Integrates public health into community planning and design process. Explores how a community's physical environment can have both positive and undesirable influence on human health, physical activity, mental health, safety, air and water pollution, social activity and well-being of its residents. Examines how community planning - such as land development pattern, urban service, housing, zoning, transportation, and land use - has changed walkability, environmental quality, access to services, vulnerable populations, social interaction, quality of life and health conditions. Develops strategies to improve conditions of communities. Utilizes community health impact assessment.

Credit Hours: 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded**CRPL 470 Environmental Planning and Policy****Crosslisted with:** CRPL 870**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**Grading Option:** Graded with Option**CRPL 471 Environmental Impact Assessment****Crosslisted with:** CRPL 871

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**Grading Option:** Graded**CRPL 472 Hazard Mitigation Planning****Crosslisted with:** CRPL 872

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**Grading Option:** Graded**CRPL 475 Water Quality Strategy**

Crosslisted with: NRES 475, NRES 875, SOIL 475, WATS 475, PLAS 475, AGRO 875, CIVE 475, CIVE 875, CRPL 875, GEOL 475, GEOL 875, AGST 475, AGST 875, POLS 475, POLS 875

Prerequisites: Senior standing.**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**Grading Option:** Graded with Option**ACE:** ACE 10 Integrated Product

CRPL 480 Economic Development Planning

Crosslisted with: CRPL 880

Prerequisites: Senior standing.

Description: Introduces the theory and principles of economic development planning. Concepts, analytical approaches, and theories of economic growth of local communities introduced. Consideration of local economic development plans for small communities. International perspectives of economic development.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

CRPL 481 Planning In Developing Countries

Prerequisites: Senior standing.

Description: Introduction to urbanization and planning in developing countries. Examines the 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

Grading Option: Graded with Option

CRPL 489 Urbanization of Rural Landscapes

Crosslisted with: PLAS 489, AGRO 889, HORT 889, CRPL 889

Prerequisites: Senior standing or graduate standing.

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

Grading Option: Graded with Option

CRPL 492 Selected Topics in Community and Regional Planning

Crosslisted with: CRPL 892

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

Grading Option: Graded with Option

CRPL 496 Special Problems in Community and Regional Planning

Crosslisted with: CRPL 896

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

Grading Option: Graded with Option