COMMUNITY AND REGIONAL PLANNING (C R P)

Courses primarily for undergraduates:

C R P 201: The North American Metropolis
(3-0) Cr. 3. F.S.
Examination of the evolution of American urban centers from the colonial era to the present. Considers the demographic changes and social movements underway in urban America and explores how an understanding of the history of cities provides us with knowledge that we can use to improve our cities today.
Meets U.S. Diversity Requirement

C R P 291: World Cities and Globalization
(3-0) Cr. 3. F.S.
World cities and globalization in developed and developing countries. Topics include globalization, world cities and regions, uneven economic development, the international division of labor, multinational corporations, international environmentalism, tourism, popular culture and place-based identity.
Meets International Perspectives Requirement.

C R P 293: Environmental Planning
(Cross-listed with ENV S). (3-0) Cr. 3. F.S.
Comprehensive overview of the field of environmental relationships and the efforts being made to organize, control, and coordinate environmental, aesthetic, and cultural characteristics of land, air, and water.

C R P 301: Planning Methods Studio
(3-2) Cr. 4. S.
An introduction to the methods and analytical techniques used by planners to study community change. Course includes identification of key sources of planning information and data. Students learn to use quantitative methods for analysis of population, land use, economic and transportation data. Students learn to apply basic analytic methods to community problems and learn the art of effective written, graphic, and oral presentation of data.

C R P 320: Urban Geography
(3-0) Cr. 3. F.S.
An introduction to urban geography. Study of urban centers, including people and infrastructure. Investigation of the origin and evolution of urban areas and the processes that shape urban change. Topics include urban form, and the social, economic, political, cultural, and institutional factors that shape cities.

C R P 330: Practicum
Cr. 1-3. Repeatable. F.S.SS.
Prereq: Major in community and regional planning
Structured work experience under close supervision of a professional planner. Practical planning experience; relationships between theory and practice, professional responsibilities, and the scope of various planning roles.

C R P 331: Professional Practice Seminar
(1-0) Cr. 1. F.S.
Prereq: Major in community and regional planning
Preparation for working in a planning office; discussion of expectation of employer; presentations from planning professionals, and discussion of differences/similarities between public and private planning offices. Offered on a satisfactory-fail basis only.

C R P 376: Rural, Urban and Regional Economics
(Cross-listed with ECON). (3-0) Cr. 3.
Prereq: ECON 101
Firm location with respect to regional resources, transport, scale economies, externalities, and policies. Measures of local comparative advantage and specialization. Spatial markets. Population location considering jobs, wages, commuting, and local amenities. Business, residential, and farm land use and value. Migration. Other topics may include market failure, regulation, the product cycle, theories of rural and urban development, developmental policy, firm recruiting, local public goods and public finance, schools, poverty, segregation, and crime.

C R P 383: Theory of the Planning Process
(3-0) Cr. 3. F.
Prereq: Junior classification
The nature of planning and its relation to social and economic planning; levels of planning, place of planning in decision making; steps in the planning process, uses and limitation of knowledge in planning, relation of facts and values.

C R P 391: Field Travel
Cr. 1-2. Repeatable. F.S.
Prereq: CRP major and permission of instructor
Observation of professional practice and community or regional problems and issues. Offered on a satisfactory-fail basis only.

C R P 410: Professional Work Experience
Cr. R. F.S.SS.
Prereq: Permission of department chair
Approved professional work experience.

C R P 416: Urban Design and Practice
(Dual-listed with C R P 516). (3-6) Cr. 6. S.
Prereq: C R P 201
Principles of urban design and their application to residential and commercial development in studio projects.

C R P 417: Urban Revitalization
(Dual-listed with C R P 517). (3-0) Cr. 3. Alt. S., offered odd-numbered years.
Prereq: Junior classification
Planning methods available to further revitalization and preservation efforts, with particular attention to housing and neighborhoods. Relationship between neighborhood change and urban development process; public policy implications.

C R P 429: Planning in Developing Countries
(Dual-listed with C R P 529). (3-0) Cr. 3. F.S.
Introduction to issues in planning and governance in an international setting. Problems and strategies may include population movement and change, economic globalization, urban growth, rural development, and housing.
C R P 432: Community Planning Studio
(1-6) Cr. 4-6. F.S.
_Prereq: C R P 201, C R P 301, or permission of instructor._

C R P 435: Planning in Small Towns
(Dual-listed with C R P 535). (3-0) Cr. 3. Alt. F., offered even-numbered years.
_Prereq: C R P 201 or Junior classification._
Contemporary planning problems in small towns and the design of viable strategies to enhance their social and economic position in today's society.

C R P 436: Community Economic Development
(Dual-listed with C R P 536). (3-0) Cr. 3. Alt. F., offered odd-numbered years.
The nature and process of economic development in the context of community development. Recent changes and trends and their implications for local and regional development. Selected case studies and applications. Contemporary community economic development issues.

C R P 442: Site Development
(Dual-listed with C R P 542). (3-0) Cr. 3. S.
Introduction to site development including site review. Studio project integrating concept, finance, selection, analysis, and design.

C R P 445: Transportation Policy and Planning
(Dual-listed with C R P 545). (3-0) Cr. 3. F.
Prereq: C E 350 or equivalent. _Note: CRP 545 prerequisite: Graduate Classification._
Comprehensive overview of key policy issues related to transportation planning and investment in the United States and abroad. Policy issues explored include safety, environmental impact, sustainable communities, and economic development. Policy analysis and planning are studied in conjunction with each policy issue explored. Issues of concern to state, metropolitan, and local governments.

C R P 451: Introduction to Geographic Information Systems
(2-2) Cr. 3. F.S.S.S.
Introduction to geographic information systems, including discussions of GIS hardware, software, data structures, data acquisition, data conversion, data presentation, analytical techniques, and implementation procedures. Laboratory emphasizes practical applications and uses of GIS.

C R P 452: Geographic Data Management and Planning Analysis
(Dual-listed with C R P 552). (2-2) Cr. 3. F.S.
_Prereq: C R P 451 or equivalent._
Extensive coverage of geo-relational database concept and design, GIS database creation and maintenance, geographic data manipulation and analysis. GIS output generation and geographic data presentation. Laboratory emphasizes practical applications and uses of GIS.

C R P 456: GIS Programming and Automation
(Dual-listed with C R P 556). (3-0) Cr. 3. F.
_Prereq: CRP 451/551 or NREM 345 or NREM 546 or GEOL 552._
Introduction to automated geoprocessing in Geographic Information Systems. Focus on learning scripting language and object-oriented programming, automation of custom-designed geoprocessing scripts, and application toward student research and/or interests.

C R P 475: Grant Writing
(Dual-listed with C R P 575). (1-0) Cr. 1. F.
A short introduction to effective grant writing for the public and nonprofit sectors. Includes identifying appropriate funding sources for an organization, identifying goals and objectives, and budgeting.

C R P 484: Sustainable Communities
(Dual-listed with C R P 584). (Cross-listed with ENV S). (3-0) Cr. 3. S.
_Prereq: Junior classification._

C R P 490: Independent Study
Cr. 1-3. Repeatable. F.S.S.S.
_Prereq: Written approval of instructor and department chair on required form._
Investigation of an approved topic commensurate with student's interest and ability. Offered on a satisfactory-fail basis only.

C R P 490H: Independent Study: Honors
Cr. 1-3. Repeatable. F.S.S.S.
_Prereq: Written approval of instructor and department chair on required form._
Investigation of an approved topic commensurate with student’s interest and ability. Offered on a satisfactory-fail basis only.

C R P 491: Environmental Law and Planning
(Dual-listed with C R P 591). (Cross-listed with ENV S, L A). (3-0) Cr. 3. S.
Prereq: 6 credits in natural sciences
_Environmental law and policy as applied in planning at the local and state levels. Brownfields, environmental justice, water quality, air quality, wetland and floodplain management, and local government involvement in ecological protection through land use planning and other programs._

C R P 492: Planning Law, Administration and Implementation
(3-0) Cr. 3. F.
Prereq: C R P 383
_The basis in constitutional, common, and statutory law for the powers of plan implementation. Problems of balancing public and private interests as revealed in the study of leading court cases. Administration of planning agencies and programs._

C R P 494: Senior Seminar in Planning
Cr. 1-3. Repeatable, maximum of 2 times. F.S.
_Prereq: Senior classification._
An advanced forum for seniors that focuses upon recent trends and important issues affecting planning today. Topics addressed will vary. A demonstration of understanding of current issues and their effects upon planning applications is expected.

C R P 498: Portfolio Development and Review
(1-0) Cr. 1. F.
Should be taken in the final semester of the planning program. Preparation of a portfolio of student work that represents student learning throughout the entire planning program.

_Courses primarily for graduate students, open to qualified undergraduates:_

C R P 510: Professional Work Experience
Cr. R. F.S.S.S.
_Prereq: Permission of department chair._
Approved professional work experience.
C R P 516: Urban Design and Practice
(Dual-listed with C R P 416). (3-6) Cr. 6. S.
Prereq: C R P 201
Principles of urban design and their application to residential and commercial development in studio projects.

C R P 517: Urban Revitalization
(Dual-listed with C R P 417). (3-0) Cr. 3. Alt. S., offered odd-numbered years.
Prereq: Junior classification
Planning methods available to further revitalization and preservation efforts, with particular attention to housing and neighborhoods. Relationship between neighborhood change and urban development process; public policy implications.

C R P 519: Middle Eastern Cities
(Cross-listed with ARCH). (3-0) Cr. 3.
Prereq: Graduate or Senior classification
Introduction to basic academic writings on Middle Eastern cities in addition to other contemporary cultural productions of the region. Study of various aspects of Middle Eastern life and the built environments that this life produces. Meets International Perspectives Requirement.

C R P 529: Planning in Developing Countries
(Dual-listed with C R P 429). (3-0) Cr. 3. F.S.
Introduction to issues in planning and governance in an international setting. Problems and strategies may include population movement and change, economic globalization, urban growth, rural development, and housing.

C R P 530: Practicum
Cr. 1-3. Repeatable. F.S.S.S.
Prereq: Graduate classification in Community and Regional Planning
Practical planning experience. Structured work in range of tasks under close supervision of a professional planner. Relationships between theory and practice, exposure to variety of roles in functioning specialties. Offered on a satisfactory-fail basis only.

C R P 532: Community Planning Studio
(1-4) Cr. 3. F.
Prereq: C R P 564 or equivalent
Comprehension and analysis of various geographic contexts pertinent to community planning and the use of planning theory, tools and techniques in an applied setting. Process of making a community plan: historical patterns, current conditions and strategies for planning.

C R P 535: Planning in Small Towns
(Dual-listed with C R P 435). (3-0) Cr. 3. Alt. F., offered even-numbered years.
Prereq: C R P 201 or Junior classification
Contemporary planning problems in small towns and the design of viable strategies to enhance their social and economic position in today’s society.

C R P 536: Community Economic Development
(Dual-listed with C R P 436). (3-0) Cr. 3. Alt. F., offered odd-numbered years.
The nature and process of economic development in the context of community development. Recent changes and trends and their implications for local and regional development. Selected case studies and applications. Contemporary community economic development issues.

C R P 542: Site Development
(Dual-listed with C R P 442). (3-0) Cr. 3. S.
Introduction to site development including site review. Studio project integrating concept, finance, selection, analysis, and design.

C R P 545: Transportation Policy and Planning
(Dual-listed with C R P 445). (3-0) Cr. 3. F.
Prereq: C E 350 or equivalent. Note: CRP 545 prerequisite: Graduate Classification
Comprehensive overview of key policy issues related to transportation planning and investment in the United States and abroad. Policy issues explored include safety, environmental impact, sustainable communities, and economic development. Policy analysis and planning are studied in conjunction with each policy issue explored. Issues of concern to state, metropolitan, and local governments.

C R P 551: Introduction to Geographic Information Systems
(2-2) Cr. 3. F.S.S.S.
Introduction to geographic information systems, including discussions of GIS hardware, software, data structures, data acquisition, data conversion, data presentation, analytical techniques, and implementation procedures. Laboratory emphasizes practical applications and uses of GIS.

C R P 552: Geographic Data Management and Planning Analysis
(Dual-listed with C R P 452). (2-2) Cr. 3. F.S.
Prereq: C R P 451 or equivalent
Extensive coverage of geo-relational database concept and design, GIS database creation and maintenance, geographic data manipulation and analysis. GIS output generation and geographic data presentation. Laboratory emphasizes practical applications and uses of GIS.

C R P 553: Analytical Planning/GIS
(2-2) Cr. 3. F.
Prereq: C R P 451/C R P 551
Integration of exploratory, participatory and predictive spatial analyses and 3D visualization into the planning process. GIS tools and techniques are used to automate decision analysis and facilitate future planning in analyzing and visualizing planning actions. Laboratory emphasizes practical uses of GIS tools and techniques.

C R P 556: GIS Programming and Automation
(Dual-listed with C R P 456). (3-0) Cr. 3. F.
Prereq: CRP 451/551 or NREM 345 or NREM 546 or GEOL 552
Introduction to automated geoprocessing in Geographic Information Systems. Focus on learning scripting language and object-oriented programming, automation of custom-designed geoprocessing scripts, and application toward student research and/or interests.

C R P 561: Planning Theory for Practice
(3-0) Cr. 3. S.
Use and development of theory/action relationship in planning practice. Competing normative theories of planning and their evolution, key components and fundamental critiques. Exploration of planning frameworks and approaches, including comprehensive planning; incrementalism; advocacy; communicative rationality; and others.
C R P 563: Planning the American Metropolis  
(3-0) Cr. 3. F.  
Focus on the historical role of planning in the shaping of American cities and regions, from the beginning of the Republic to the present. Examine the legacy of planning by exploring the intersection of design, politics and policy. Investigate the factors and the processes that produce the built environment.

C R P 564: Introduction to Analytical Methods for Planning  
(3-0) Cr. 3. F.  
Applications of analytical methods in planning with emphasis on the collection, description, analysis, presentation, and interpretation of planning data. Introduction to descriptive statistics. Sources of planning information and data including primary and secondary data types and sources. Demographic analysis, population projection techniques for planning at local and regional levels.

C R P 566: Values and Decision Making  
(3-0) Cr. 3. F.  
Principles and methods for analyzing communities and regions as social political, economic, and ecological systems. Exploration of relationships between individuals and institutions, the economy and governance. Examination of social values and their manifestation in decision making methods used in planning. Application of decision making tools for planning problems involving economic analysis, power relations, environmental impacts and social impacts. Project evaluation methods.

C R P 568: Planning and Development  
(3-0) Cr. 3. S.  
Prereq: C R P 564 or equivalent  
Exploration and evaluation of the techniques, processes, and professional skills required to effectively manage land use change at various scales. Land classification systems; land supply and needs inventory for residential uses and commercial and employment centers; capacity and needs analysis for public infrastructure. Includes land use planning project(s) designed to apply the methods explored in this and other courses.

C R P 575: Grant Writing  
(Dual-listed with C R P 475). (1-0) Cr. 1. F.  
A short introduction to effective grant writing for the public and non-profit sectors. Includes identifying appropriate funding sources for an organization, identifying goals and objectives, and budgeting.

C R P 584: Sustainable Communities  
(Dual-listed with C R P 484). (3-0) Cr. 3. S.  
Prereq: Junior classification  

C R P 590: Special Topics  
Cr. 1-3. Repeatable. F.S.SS.  
Prereq: Graduate classification and written approval of instructor and department chair on required form

C R P 590A: Special Topics: Planning Law, Administration and Implementation  
Cr. 1-3. Repeatable. F.S.SS.  
Prereq: Graduate classification and written approval of instructor and department chair on required form

C R P 590B: Special Topics: Economic Development  
Cr. 1-3. Repeatable. F.S.SS.  
Prereq: Graduate classification and written approval of instructor and department chair on required form

C R P 590C: Special Topics: Urban Design  
Cr. 1-3. Repeatable. F.S.SS.  
Prereq: Graduate classification and written approval of instructor and department chair on required form

C R P 590D: Special Topics: Housing and Urban Revitalization  
Cr. 1-3. Repeatable. F.S.SS.  
Prereq: Graduate classification and written approval of instructor and department chair on required form

C R P 590H: Special Topics: Environmental Planning  
Cr. 1-3. Repeatable. F.S.SS.  
Prereq: Graduate classification and written approval of instructor and department chair on required form

C R P 590I: Special Topics: Land Use and Transportation Planning  
Cr. 1-3. Repeatable. F.S.SS.  
Prereq: Graduate classification and written approval of instructor and department chair on required form

C R P 590J: Special Topics: Local Government Planning  
Cr. 1-3. Repeatable. F.S.SS.  
Prereq: Graduate classification and written approval of instructor and department chair on required form

C R P 590K: Special Topics: International Planning  
Cr. 1-3. Repeatable. F.S.SS.  
Prereq: Graduate classification and written approval of instructor and department chair on required form

C R P 590L: Special Topics: Planning in Small Towns  
Cr. 1-3. Repeatable. F.S.SS.  
Prereq: Graduate classification and written approval of instructor and department chair on required form

C R P 590N: Special Topics: Environmental Law and Planning  
(Dual-listed with C R P 491). (Cross-listed with L A). (3-0) Cr. 3. S.  
Prereq: 6 credits in natural sciences  
Environmental law and policy as applied in planning at the local and state levels. Brownfields, environmental justice, water quality, air quality, wetland and floodplain management, and local government involvement in ecological protection through land use planning and other programs.
C R P 592: Land Use and Development Regulation Law
(3-0) Cr. 3. F.
An in-depth analysis of the legal constructs that shape the practice of planning and plan implementation in the United States. An exploration of how land use regulations are applied to reconcile the competing needs and diverse uses of land. The positive and negative consequences of developing and implementing regulatory controls will be addressed.

C R P 595: Seminar in GIS Applications/Research
(1-0) Cr. 1. F.S.
Prereq: 9 credits in GIS Certificate program
Discussion and demonstration of current GIS applications and research in multiple disciplines. Offered on a satisfactory-fail basis only.

C R P 599: Professional Planning Report
Cr. arr. Repeatable.
Independent planning project with practical application, including research element.

Courses for graduate students:

C R P 698: Capstone Studio
(1-6) Cr. 4. S.
Prereq: Permission of instructor.
Synthesis and integration of core planning knowledge into professional work in a team setting.

C R P 699: Research
Cr. arr. Repeatable.