

URPN - URBAN & REG PLANNING (URPN)

URPN 201 The Evolving City

Credits 3. 3 Lecture Hours. Introduction to the history of contemporary urban and regional planning and how the evolving forms of cities and regions pose opportunities and/or challenges for planners; understanding key social, economic, political and technological forces that shape city form and function and its ramification for urban and regional planning.

URPN 202 Building Better Cities

Credits 3. 3 Lecture Hours. Determinants of land use patterns; classification of uses; idealized conceptual alternatives; location and size criteria; mapping; comprehensive planning process, relationship to circulation planning.

URPN 203 Smart Cities - Bit, Bots and Beyond

Credits 3. 3 Lecture Hours. Historic perspectives of technological innovation and urbanization; smart-city solutions to tackle the world's challenges in transportation, climate change, aging population, governance, economic growth, and social inclusion; challenges and promises of disruptive technologies; future proof policies and strategies.

URPN 210 Urban Analytical Methods I

Credits 3. 3 Lecture Hours. Study of various analytical techniques used in urban and regional decision making; quantitative approaches to analyze and manipulate data; utilization of statistical packages for data, analysis and communication to enhance urban planning modeling. **Prerequisite:** URPN majors only or approval of instructor.

URPN 220 Digital Communication I

Credits 3. 3 Lecture Hours. Applications of computer graphics, rendering, and visualization software in urban design, landscape architecture, and environmental analysis; introduction to basic concepts and principles of graphic composition; rendering, visualization, and linkages to landscape-referenced data. **Prerequisite:** Landscape Architecture and Urban Planning majors only or approval of instructor.

URPN 240 More Than Monuments: Preservation as Social Justice

Credits 3. 3 Lecture Hours. Exploration of the ways designers', planners', and preservationists' expertise, combined with historical inquiry and citizen engagement, have fostered social and restorative justice.

URPN 291 Research

Credits 1 to 4. 1 to 4 Other Hours. Research conducted under the direction of faculty member in landscape architecture and urban planning. May be taken 2 times for credit. **Prerequisites:** Freshman or sophomore classification.

URPN 302 Planning Law

Credits 3. 3 Lecture Hours. Familiarization with the fundamental principles of planning law and legislation; legal foundation for the urban planning process; alternative methods of plan implementation; emphasis on legal issues as they impact land use planning and development at the municipal level of government; participation in mock advocacy trials and public hearings. **Prerequisites:** URPN 301; URPN majors only.

URPN 310 Urban Analytical Methods II

Credits 3. 3 Lecture Hours. Focuses on research conducted by planners, sociologists, anthropologists, political scientists and a variety of applied social scientists; examines variety of procedures employed when conducting research in urban areas; furthers understanding and knowledge of statistical methods employed in social research and elements of geographical analysis. **Prerequisite:** Upper division College of Architecture; URPN 210 or approval of instructor, URPN majors only.

URPN 320 Digital Communication II

Credits 3. 3 Lecture Hours. Advanced applications of computer graphics, rendering, and visualization software in urban design, landscape architecture, and environmental analysis; introduction to basic concepts and principles of graphic composition, rendering, visualization, and linkages to landscape-referenced data. **Prerequisites:** URPN 220; department majors only.

URPN 325 Introduction to GIS in Urban and Regional Planning

Credits 3. 2 Lecture Hours. 3 Lab Hours. Provides an understanding of GIS fundamentals; basic concepts, principles and functions; essential skills for applying GIS in various fields such as urban planning, landscape architecture, land development, environmental studies, transportation and hazard management; based on learning through class projects. **Prerequisite:** Upper division College of Architecture; department majors only or approval of instructor.

URPN 326 Advanced GIS in Urban and Regional Planning

Credits 3. 3 Lecture Hours. Advanced instruction in applications of spatial tools for urban planning, landscape architecture, land development, hazard management, and related problems; GIS applications through review of literature and practice; data quality, uncertainty, the integration of GPS, remote sensing and information technology within the context of urban and regional planning. **Prerequisite:** URPN 325 or approval of instructor, department majors only.

URPN 330 Land Development I

Credits 3. 3 Lecture Hours. Interface between the physical and financial dimensions in design and development to achieve building and project economies; creating a physical product and a financial venture that are responsive to social and environmental concerns and to market economy and finance. **Prerequisite:** Department majors only or approval of instructor.

URPN 331 Public and Private Infrastructure Funding

Credits 3. 3 Lecture Hours. An introduction to issues of financing public and public-private development project; exploring the difference between raising revenue, including the trade offs associated with establishing a sustainable tax base, and raising capital through capital markets; illustration of the range of decisions with financing public and public-private partnerships. **Prerequisite:** Upper division College of Architecture; URPN majors only.

URPN 340 Housing and Community

Credits 3. 3 Lecture Hours. Housing, its development, planning, marketing, designing, financing and production; social and design history and contemporary issues of American housing development, urban renewal, neighborhood structure and community facilities. **Prerequisite:** Department majors and minors only or approval of instructor.

URPN 360 Issues in Environmental Quality

Credits 3. 3 Lecture Hours. Issues in environmental quality; focus on stormwater and ecosystem qualities influenced by land development; design and planning principles and techniques (e.g. low impact development) for sustainable stormwater management in urban and suburban watersheds. **Prerequisite:** Junior or senior classification or approval of instructor.

URPN 361 Urban Issues

Credits 3. 3 Lecture Hours. Issues pertaining to the evolution and development of cities and urban regions; examines the socio-economic, cultural and physical development of urban areas; addresses contemporary problems such as racial tension, unemployment and poverty, housing, pollution and environmental sustainability, traffic and congestion, land use, crime, public health, and other quality of life issues. **Prerequisite:** Junior or senior classification or approval of instructor.

URPN 369 Transportation and Urban Form

Credits 3. 3 Lecture Hours. Examination of the interrelated nature of transportation, land use and urban design; familiarization with the role of transportation in contemporary society; understanding the interrelationships between transportation and urban form at both the regional and community levels. **Prerequisite:** Junior or senior classification or approval of instructor.

URPN 370 Health Systems Planning

Credits 3. 3 Lecture Hours. Introduction to planning in the health care system at both institutional and community levels. **Prerequisite:** Junior or senior classification or approval of instructor.

URPN 371 Environmental Health Planning and Policy

Credits 3. 3 Lecture Hours. Philosophical and historical relationships of human-environment-disease; environmental health domains and associated planning and policy organizations and initiative for monitoring, intervention, and prevention; interdisciplinary approaches for risk analysis of environmental health. **Prerequisite:** Junior or senior classification or approval of instructor.

URPN 401 Policy Implementation

Credits 3. 3 Lecture Hours. Techniques of implementing major urban development programs and plans; capital improvements programming and budgeting; overview of regulatory measures including zoning and subdivision regulations; public involvement process; and fiscal planning. **Prerequisite:** URPN majors only.

URPN 409 Urban Design Studio

Credits 5. 2 Lecture Hours. 9 Lab Hours. Design studio focused on urban design as a human-centered participatory practice; consideration of a project derived through community engagement; interdisciplinary service learning combining methodologies of architecture, landscape architecture and urban design. **Prerequisites:** Junior or senior classification; admission to upper level in BED or URPN-BS; URPN 220, URPN 320, URPN 325, URPN 483, concurrent enrollment in URPN 419.

URPN 420 Principles of Urban Design

Credits 3. 3 Lecture Hours. Theories and fundamental components of urban design including historical trends, case studies, land use arrangement, transportation options, open space networks, urban form, aesthetics and planning policies; application of the history and theory behind differing urban designs to practical projects. **Prerequisites:** LAND 101, URPN 201, URPN 202, and URPN 210.

URPN 440 Urban and Regional Economic Development

Credits 3. 3 Lecture Hours. Examines economic development processes in urban and regional planning; issues explored include theoretical, the economic development planning process, ethics, location factors, intergovernmental relations, budgeting, and private sector revenue generation. **Prerequisite:** URPN majors only or approval of instructor.

URPN 450 Emergency Management Principles and Practices

Credits 3. 3 Lecture Hours. Introduction to the fundamental principles of emergency management. **Prerequisite:** Upper division College of Architecture or approval of instructor.

URPN 451 Hazard and Vulnerability Analysis for Planners

Credits 3. 3 Lecture Hours. Tools and techniques used by city planners and emergency managers to determine their jurisdictions' hazard risk and social vulnerability to disaster impacts. **Prerequisite:** Junior or senior classification, URPN 450 or approval of instructor.

URPN 460 Sustainable Communities

Credits 3. 3 Lecture Hours. Focuses on sustainable community with applications in public policy/design including societal organization, disciplinary bound design and policy, and empowered approaches to design, social ecology and public policy; reading and review of relevant literature on sustainability, complemented with exercises to illustrate underlying principles. **Prerequisite:** Department majors and minors only or approval of instructor.

URPN 467 Land and Property Aspects of Sustainable Development

Credits 3. 3 Lecture Hours. Sustainability perspectives about values, rights, property and what constitutes an optimum human environment; sustainability principles and case studies emphasizing on-the-ground, incentive-based land development that balances economic growth with environmental quality. **Prerequisites:** Upper division College of Architecture.

URPN 469 Urban Infrastructure

Credits 3. 3 Lecture Hours. Foundation of planning and managing infrastructure and public services; utilization of life-cycle method of infrastructure planning and delivery, research theory and tools to perform basic infrastructure planning. **Prerequisite:** URPN majors only or approval of instructor.

URPN 470 Health Systems Planning and Policy

Credits 3. 3 Lecture Hours. Analyzes health needs at community, regional and national levels; organization and supply of health services at community, regional and national levels; medical technology and its impact on health needs and system organization; medical care financing and its effects on health need and system organization; health planning for natural and human-made disasters; and service-learning for applying planning theories and methods. **Prerequisite:** Junior or senior classification or approval of instructor.

URPN 471 Planning Healthier Communities

Credits 3. 3 Lecture Hours. Planning for the creation of healthier cities/communities; emphasis on the impact of global paradigmatic shifts regarding community health, stakeholder participation, coalition building, leadership, visioning the planning process, and the need for more systemic and process orientation in community building. **Prerequisite:** Junior or senior classification or approval of instructor.

URPN 481 Seminar

Credits 3. 3 Lecture Hours. Seminar discussion of current topics in urban planning. **Prerequisite:** Senior classification.

URPN 483 Studio in Urban and Regional Science

Credits 1 to 6. 1 to 6 Lecture Hours. Studio introduces the confluence of ecological, environmental, economic, social, cultural, and political forces impacting the planning, design, and development of complex urban environments; site planning, design process, sustainability. **Prerequisite:** URPN majors only or approval of instructor.

URPN 484 Internship

Credits 3. 3 Other Hours. Practical experience in an office of design allied professionals; 12 week internship with a minimum of 480 hours; continuous employment; departmental pre-approval through the department internship coordinator required. May not be repeated for credit. **Prerequisites:** URPN majors only or approval of internship coordinator.

URPN 485 Directed Studies

Credits 1 to 5. 1 to 5 Other Hours. Individual instruction in selected aspects of urban planning not adequately covered in other courses. May be taken 3 times for credit. **Prerequisite:** Upper level classification.

URPN 489 Special Topics in...

Credits 1 to 4. 1 to 4 Lecture Hours. 0 to 4 Lab Hours. Selected topics in an identified field of urban studies. May be repeated for credit.

URPN 491 Research

Credits 1 to 4. 1 to 4 Other Hours. Research conducted under the direction of faculty member in landscape architecture and urban planning. May be taken 2 times for credit. **Prerequisites:** Junior or senior classification.

URPN 493 Urban and Regional Studies Capstone Course

Credits 5. 5 Lecture Hours. Syntheses and application of skills and knowledge gained through coursework applied to the development of creative solutions to real-world projects. **Prerequisites:** URPN 310, URPN 331, URPN 410, URPN 469; LAND 494; senior classification; URPN majors only.

URPN 494 Internship

Credits 6. 6 Other Hours. Practical experience in public, private, non-profit and for profit organizations of design allied professionals; 18 week internship with a minimum of 720 hours; continuous employment; departmental pre-approval through the department internship coordinator required. May not be repeated for credit. **Prerequisites:** Upper level classification and approval of internship coordinator.