

## **CITY AND REGIONAL PLANNING (FA) {CPLN}**

### **SM 506. (URBS403) Special Topics in Urban Studies. (C) Staff.**

Topics vary each semester; see department for current description.

### **521. Quantitative Reasoning. (A) Hillier.**

Introduction to statistics and planning applications. Focuses on understanding the strengths and weaknesses of quantitative reasoning.

### **SM 528. (URBS428) Research Seminar 21st Century Urbanism. (B) Staff.**

### **530. INTRO TO PLANNING STATS. (B)**

### **L/R 540. (URBS440) Introduction to City Planning: Past, Present and Future. (A) Birch.**

Orientation to the profession, tracing the evolution of city and regional planning from its late nineteenth century roots to its twentieth century expression. Field trips included.

### **SM 545. (SOC1453, URBS453, URBS543) Metropolitan Growth and Urban Poverty. (B) Nowak.**

See URBS 453.

### **550. Structure of Cities and Regions. (A) Larice.**

Exploration of ways planning arguments are shaped within a varied array of urban and regional images and representational modes.

### **L/L 552. Entrepreneurial Inner City Housing Markets. (C) Bodek. Corequisite(s): CPLN 552101 - Housing Renovation Lab.**

Focus on the theory and practice of revitalizing neighborhoods through the experience of renovating a house in West Philadelphia. Attention to design, finance, and planning aspect of project.

Section 101. Housing Renovation Lab---Rehabilitation of a West Philadelphia House under professional direction.

### **585. Land Use Planning: Principles and Practice. (A) Daniels.**

Overview of the methods and tools for managing land use and shaping the built environment. Explores principles of successful plan creation emanating from theory and case studies.

### **590. (URBS490) Community Planning and Local Institutions. (B) Harkavy.**

Exploration of the role of universities in enhancing the quality of life in American cities. Employs Penn-West Philadelphia experiences as a case study.

### **L/R 600. Planning Problems Workshop. (B) Staff.**

Application of planning skills to problems experienced by selected neighborhoods. Students work in teams to develop solutions. Juried presentation required.

### **601. (CPLN301) Enhancing CBDs Through Business Improvement Districts. (A) Levy.**

Overview of the role of special districts in revitalizing downtown through safety and hospitality, sanitation, marketing, and capital improvement programs. Employs case studies from North America, Australia, and Europe.

### **SM 605. (URBS210) The City. (B)**

Course surveys the history and contemporary study of U.S. cities and regions with a focus on urban planning, policy and geography. For Ph.D. students it offers opportunities for 1) intensive reading of urban and planning history; and 2) preparation for teaching. Permission of instructor is required. Not for MCP students, except in exceptional cases.

### **SM 620. (URBS206, URBS506) The Public Environments of Cities. (B) Distribution Course in Arts & Letters.**

Class of 2009 & prior only. Nairn.

See URBS 206.

**L/L 624. Quantitative Planning Methods. (D)** Weinberger/Curley.

Introduction of methods in analyzing demographic conditions, land use and housing trends, employment and business changes, community and neighborhood development. Focus on using spreadsheet models and data analysis for local and neighborhood planning.

**631. Techniques of Urban Economic Development. (B)** Staff.

An examination of public, private and non-profit methods of promoting economic development in cities and regions. Topics to be covered include revenue strategies including use of industrial development bonds, tax increment financing, tax abatements/incentives; administrative efforts including creation of economic development corporations and special development districts and other approaches designed to encourage growth and prosperity in urban areas.

**L/L 633. (CPLN333, URBS633) Urban Economic Analysis. (D)** Landis/Wolf-Powers.

Introduces students to the economic principles and vocabularies that city and regional planners rely on (those of welfare and public sector economics, land economics, and the economics of housing and neighborhoods), and familiarizes them with local government taxation, budgeting and borrowing practice.

**648. Negotion & Conflict Resolution. (B)** Sokoloff/Steinberg.

Review of techniques for resolving disagreements related to planning especially land use, zoning, transportation, environmental and physical design concerns. Extensive use of case studies and simulation exercises.

**655. (CPLN455) Land Use and Transportation Planning. (A)** Weinberger.

Exploration of the technological and design aspects of urban transportation systems including discussion of land use patterns, facilities operations, congestion, and environmental issues. Highlights current policy debates revolving around mobility issues, federal and state legislation, and metropolitan organization responsibilities.

**658. Urban Markets and Residential Development. (B)** Glen. Prerequisite(s): CPLN 623 or CPLN 680.

This class will explore the history of disinvestment in inner-city neighborhoods and the public sector's response to the challenge of re-building those communities with a particular emphasis on affordable housing programs and policies - and how those initiatives have created new urban markets with unique challenges and opportunities for the public, private and non-profit development sectors. The course will focus on how to develop residential and mixed-use projects, using a variety of public incentives and private financing sources to address market and community objectives.

**661. Site Planning. (A)** Staff.

Introduction to the fundamentals of site planning. Includes student presentations of location-specific projects.

**662. Regional Planning. (A)** Yaro.

Examination of factors shaping a region with a focus on the role of metropolitan planning organizations. Reviews growth management and environmental quality improvement efforts.

**L/L 666. Modeling Geographical Objects. (A)** Tomlin.

Introduction to the use of geographic information systems (GIS) in urban and regional planning. Reviews the conceptual foundations of GIS. Students achieve proficiency in Arc View.

**667. Applications in GIS. (A)** Hillier.

This hands-on introduction to using geographic information systems (GIS) will focus on how GIS can be applied to housing, land-use planning, redistricting, public health, historic preservation, criminology, and urban history. The class will focus almost exclusively on vector GIS data, which is appropriate for representing discrete objects such as parcels, districts, and census geography.

**SM 670. (URBS270, URBS670) The Immigrant City. (M)** Vitiello.

Immigration is a controversial issue, dividing Americans from Congress to big cities to small towns. What's at stake in these debates? What does immigration mean for cities and regions? And what roles should policy makers, planners, and community organizations play in shaping migration and its impacts? This course examines these questions in the context of immigrant, refugee, and receiving communities in the United States. It surveys public policy and community and economic development practices related to migration, at the local, regional, and trans-national scale. Class readings, discussions, and regular visits to a variety of Philadelphia's immigrant neighborhoods explore themes including labor markets, political mobilization, social and cultural policy, and the built environment.

**671. Sustainable Development in Cities and Regions. (B) Landis.**

Review of social, political, economic, and ecological factors contributing to planning and developing environments that balance human demands with the protection of nature.

**674. (ARCH674, LARP674) Planning in Transition Cities. (L) Staff.**

Overview of planning issues in post-socialist countries since the early 1990's. Emphasis is on Russia and the Former Soviet Union, but will examine regional differences in Eastern Europe, Central Asia and China.

**675. Case Studies: Physical City Planning in Europe. (B) Vegara.**

This course will immerse participants in the practice of physical planning in Europe, from conceptual development to implementation. A series of case studies will be presented, including regional, metropolitan, small-town and special-use zone plans; students will also work on analogues found closer to home. We will identify problems and opportunities, analyze strategies, and urban design projects and select or create planning instruments.

**676. Introduction to Environmental Planning & Policy. (A) Daniels.**

Overview of national programs for protecting the environment, managing natural resource areas, preserving biodiversity, and remediating brownfields, in an overall framework based on sustainability. covers basic principles of geology, hydrology, limnology, and climatology, Oregon's Land Use Transportation Air Quality (LUTRAQ) connection, environmental impact assessment, environmental justices.

**677. Urban Design Studio: The Public Realm. (A) Larice. Prerequisite(s): CPLN-678.**

This intensive foundation studio focuses on the physical planning and design skills necessary in shaping the public realm. Students will undertake a series of targeted exercises that introduce them to project conceptualization, context analysis, programming, site planning, technical issues, and detailed design of public space in cities. Focusing on issues pertinent to local municipalities, students will work collaboratively and individually over the semester on design elements that cover a range of scales. Intellectual objectives within the studio include: the links between theory and practice, the development of principles to guide design, understanding associations between design and stakeholder-user interests, and exploring larger issues of sustainability and participation in design practice. Emphasis on the pragmatics of problem solving and implementation will be balanced with essential skills in visioning, critical thinking and design leadership.

**678. Representation Graphics for Urban Design. (B) Rairigh.**

This course includes AutoCad and other software techniques employed to represent urban design projects.

**680. Real Estate Finance and Investment. (A) Sagalyn.**

This course covers concepts and techniques used to analyze and finance income producing investments at the project level. These fundamentals of analysis can be applied to investments of any property type in any place, including other countries. It seeks to provide you with quantitative skills and a critical perspective for making financial decisions about commercial real estate investments and development projects. Special emphasis is given to examining the nature of real estate risk.

**685. Transportation Planning Methods. (B) Staff. Prerequisite(s): CPLN\_624.**

Transportation methods is a survey course exploring the 'how to' of regional travel and demand forecasting; bus service and operations planning, station access planning, traffic calming and a host of other topics in transportation planning.

**SM 686. Spatial Analysis.**

**701. Planning Studio. (B) Kise.**

Intensive study of a selected planning topic. Teams of students work with clients to develop alternative scenarios and produce plan and implementation strategies. Multiple presentations required.

**702. Planning Studio. (B) Barnett.**

Intensive study of a selected planning topic. Teams of students work with clients to develop alternative scenarios and produce plan and implementation strategies. Multiple presentations required.

**703. Planning Studio. (B) Staff.**

Intensive study of a selected planning topic. Teams of students work with clients to develop alternative scenarios and produce plan and implementation strategies. Multiple presentations required.

**704. Planning Studio. (B) Yaro.**

Intensive study of a selected planning topic. Teams of students work with clients to develop alternative scenarios and produce plan and implementation strategies. Multiple presentations required.

**SM 708. Urban Design Methods. (A) Larice.**

This seminar focuses on professional and research techniques in the practice of urban design. Seminar topics in the first half will examine research methods associated with measuring, analyzing and guiding design in urban contexts, including: environmental behavior & psychology, cognition, mapping, morphology, design regulation and policy. The second half of the course includes professional techniques in: communication, self-representation, design roles, processes, and ethics.

**712. (URBS712) Inner City Revitalization. (A) Birch.**

Review of efforts to maintain and strengthen central cities. Examines the role of leadership and vision. Incorporates a broad definition of economic development as encompassing topics ranging from the arts to zoning.

**SM 716. Advanced GIS Seminar. (B) Pederson.**

Course will introduce advanced GIS students to topics such as database development and remote sensing as well as ESRI products including ArcIMS, ArcPad, Network Analysis, and Business Analyst. Emphasis will be on development of practical skills and technical knowledge.

**723. (HSPV671, UDES723) Law of Planning and Urban Development. (B) Keene.**

Overview of the constitutional and legal principles framing planning and urban development. Taught in conjunction with HSPV-671.

**SM 725. Innovations in Growth Management. (B) Daniels.**

Comprehensive examination of legal, constitutional, political, fiscal, and practical techniques for securing more effective control over land development. Topics include urban growth boundaries "concurrency" requirements, tax incentives and purchase of conservation easements.

**SM 737. (CPLN437) Housing in Developing Countries. (B) Hoek-Smit.**

Exploration of human settlement planning in transitional and developing economies. Includes review of the theoretical framework of economic development and development planning.

**SM 742. (HSPV742) Special Problems in Conservation. (C) Mason.**

Problems in the theoretical and practical issues surrounding the conservation of historic structures and sites. Both thematic and site-specific topics will vary each year to allow students with different backgrounds and interests the opportunity to develop multi-disciplinary approaches to conservation.

**744. Public/Private Development. (B) Sagalyn. Prerequisite(s): CPLN 680, REAL 721 or CPLN 623.**

This course will examine the planning, financing, and implementation of public/private projects in the United States. The emphasis will be on understanding the interplay of project feasibility, financing strategy, and the politics of implementation.

**SM 752. Advanced Seminar in Transportation. (B) Staff. Prerequisite(s): CPLN 655 or equivalent.**

Discussion of most recent advances in methods of transportation planning.

**760. (ARCH752, UDES752) Case Studies/Urban Design. (B) Larice.**

This seminar examines from typologies and physical elements within the field of urban design. Each class session will focus on a particular scale of urban design interest, beginning with micro-scale place-based elements and continuing to large scale regional design. The course is organized around student presentations that will deconstruct the development processes and formal elements of comparative case studies.

**764. (ENVS645) Planning for Land Conservation. (B) Daniels.**

An introduction to the tools and methods for preserving private lands. Emphasis is on land preservation in growth management strategies.

**765. Environmental Law: Selected Issues. (L) Staff.**

Overview of administrative law, relevant constitutional doctrines, and American environmental doctrines, and American environmental policies and legal doctrines such as those embodied in the National Environmental Policy Act, the Resource Conservation and Recovery Act and the Superfund Act.

**767. (UDES751, URBS767) Theory and Principles of Urban Design. (A)** Barnett.

An introduction to the theoretical basis for beliefs and practices in city and environmental design, including the relation of the built environment to the natural environment, the organization of groups of buildings, the use and meaning of public places, and the relation of technology to land use and community.

**770. GIS in Professional Practice. (L)** Staff.

Introduction to the use of geographic information systems (GIS) in urban and regional planning. Reviews the conceptual foundation of GIS. Students achieve proficiency in Arc View.

**SM 772. Doctoral Seminar. (A)** Sagalyn. Required of all first-year CPLN doctoral students; others working on course requirements are strongly urged to take the seminar. Limited to 12 students.

This scholar-oriented seminar explores how academic researchers define researchable questions and craft research designs. Open only to PhD students, the weekly seminar functions as an introduction to the general issues of academic research in the field of City and Regional Planning as well as particular issues associated with interdisciplinary research.

**796. Professional Project. (C)** Staff. Capstone project, supervised by a faculty member.

**799. Independent Study in City Planning. (C)** Staff. Special projects, supervised by a faculty member.

**999. Independent Study and Research. (C)** Staff. Ph.D. candidates. Independent study and research under faculty supervision.