

# Urban Planning and Policy (UPP)

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## **UPP 220. Latin American Cities in a Global Context: Environment, Employment, and Housing. 3 hours.**

Global economic trends impacting Latin American cities, with a focus on three urban planning issues: environment, employment and housing. Growing inequality, precarious employment, spatial segregation, and squatter settlements will be explored. Same as LALS 220. Recommended background: LALS 101.

## **UPP 302. Great Cities Internship. 6 hours.**

Provides students an opportunity to apply theoretical knowledge and conduct research in metropolitan organizations through field placements and seminars. Course Information: Same as POLS 302. Prerequisite(s): Junior or senior standing and grade point average of 3.00, or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

## **UPP 403. Planning Practices for Great Cities. 3 or 4 hours.**

Patterns of city growth, physical, socio-economic, and environmental issues. Contemporary planning issues. Future of cities. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Advanced undergraduate standing or consent of the instructor.

## **UPP 405. Researching the City. 0-4 hours.**

Addresses basic issues of quantitative reasoning in planning and policy, including use of data sources, organizing, sorting, managing, and analyzing data. Emphasizes presenting findings visually and in writing. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Field work required. Prerequisite(s): Grade of C or better in ECON 120; and junior standing or above; or consent of the instructor. Recommended background: Grade of B or better or concurrent registration in US 202. To be properly registered, students must enroll in one Lecture and one Discussion/Recitation.

## **UPP 420. Great Cities: London and Chicago. 1-8 hours.**

Comparative investigation of urban, economic, social, and political issues in the two global cities. Includes classes, study, and living in London. Course Information: Field work required. Prerequisite(s): Junior standing or above and selection by the Office of Study Abroad admission committee.

## **UPP 452. The UIC Freshwater Lab Course. 3 or 4 hours.**

Brings a Humanities lens to the Great Lakes watershed to examine how water interacts with socio-political systems, legal structures, cultural perceptions, and artistic visions. Course Information: Same as ENGL 452 and PA 452. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ENGL 160 and ENGL 161.

## **UPP 453. Freshwater Lab in Practice: Environmental Research, Projects, and Internships. 3 or 4 hours.**

Investigates key issues surrounding Great Lakes water governance through a combination of hands-on research and professional development in fields related to environmental policy, planning, writing and communication. Course Information: Same as ENGL 453 and PA 453. 3 undergraduate hours; 4 graduate hours. This course offers an internship placement opportunity. Depending on placement/start date, students may begin internship work during the second half of the semester or during the summer. Prerequisite(s): ENGL 160 and ENGL 161.

## **UPP 458. Introduction to Geospatial Analysis and Visualization I. 2 hours.**

A basic introduction to the softwares used and rules governing effective communication of geospatial and other data in visual format. Course Information: Extensive computer use required. Meets eight weeks of the semester. Credit is not given for UPP 458 if the student has credit in UPP 460. Prerequisite(s): Graduate standing.

## **UPP 459. Introduction to Geospatial Analysis and Visualization II. 2 hours.**

In-depth instruction in softwares used and rules governing effective communication of geospatial and other data in visual format. Exploration of design principles for communicating complex information in a variety of formats. Course Information: Credit is not given for UPP 459 if the student has credit in UPP 460. Extensive computer use required. Meets eight weeks of the semester. Prerequisite(s): Grade of B or better in UPP 458; and senior standing or above; or consent of the instructor.

## **UPP 460. Introduction to Geospatial Analysis and Visualization. 3 or 4 hours.**

Exploration of geospatial analysis and visualization theory and tools; how to appropriately choose and use tools. Cognition, communication, modeling, cartography, web authoring, 3-D visualization, and aerial and satellite photography. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Centrino 2 Duo processor, 2 GB RAM and 100 GB hard drive minimum recommendations. Prerequisite(s): Junior standing or above; and approval of the department. Priority registration will be given to students admitted to the campus certificate program in Geospatial Analysis and Visualization.

## **UPP 461. Geographic Information Systems for Planning and Policy. 3 or 4 hours.**

Applications of Geographic Information Systems to understanding spatial relationships for their importance in planning use and policy making across a variety of disciplines/policy sectors. Course Information: Same as GEOG 469. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Junior standing or above; and consent of the instructor. Priority registration will be given to students admitted to a campus certificate program in Geospatial Analysis and Visualization.

## **UPP 462. Intermediate GIS for Planning and Policy. 3 or 4 hours.**

To reinforce and expand on topics taught in UPP 461 and introduce more advanced features of GIS and its applications to urban planning and policy. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): Junior standing or above; and approval of the department. Priority registration will be given to students admitted to the campus certificate program in Geospatial Analysis and Visualization.

## **UPP 463. Complexity-based Models for Planning and Policy. 3 or 4 hours.**

Introduction to complexity-based models and their possible applications to a range of planning and public policy issues. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): Junior standing or above; and approval of the department. Priority registration will be given to students admitted to the campus certificate program in Geospatial Analysis and Visualization. Recommended background: Experience in object-oriented programming is helpful but not required.

**UPP 464. Advanced Visualization Techniques. 3 or 4 hours.**

Specialized computational abilities for various planning areas including: database and spreadsheet analyses, spatial information systems, imageries and image editing, 3D modeling and virtual reality, hypermedia or multimedia, and the internet. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Centrino 2 Duo with at least 2GB RAM and 110 GB hard drive minimum recommended specifications. Prerequisite(s): Junior standing or above; and approval of the department. Priority registration will be given to students admitted to the campus certificate program in Geospatial Analysis and Visualization.

**UPP 465. Topics in Geospatial Analysis and Visualization. 0-5 hours.**

Intensive exploration of specialized topics in Geospatial Analysis and Visualization. Course Information: 1 to 4 undergraduate hours. 2 to 5 graduate hours. May be repeated to a maximum of 9 hours for undergraduate students and 12 hours for graduate students. Students may register in more than one section per term. Extensive computer use required. Prerequisite(s): Grade of B or better in UPP 460; or Grade of B or better in UPP 461; and appropriate score on the department placement test; and senior standing or above; and consent of the instructor.

**UPP 470. Cohort Seminar for Urban Developers. 3 or 4 hours.**

Application of the financial calculator, use of spreadsheets, and other tools commonly used in real estate-based urban development projects. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Consent of the instructor.

**UPP 471. Housing and Community Development for Urban Developers. 3 or 4 hours.**

Housing policy at federal, state and local levels affecting urban housing markets. Emphasis on assessment of market conditions affecting community development decisions. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): UPP 470 or consent of the instructor.

**UPP 472. Development Finance For Urban Developers. 3 or 4 hours.**

Key financial principles of real estate development, particularly those related to the financing of affordable housing. How to develop a real estate pro forma. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Consent of the instructor.

**UPP 473. Organizational Essentials for Urban Developers. 3 or 4 hours.**

Theory and practice of management in public and non-profit settings. Focus on developing communication, leadership and legal skills for each step in development. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Consent of the instructor.

**UPP 474. Community Development Process for Urban Developers. 3 or 4 hours.**

Developing affordable housing: development team, acquisition strategy, legal issues, construction management and project sustainability, as it pertains to different types of housing developments. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Consent of the instructor.

**UPP 475. Sustaining the Housing for Urban Developers. 3 or 4 hours.**

Introduces students to a range of management issues: property management and maintenance, resident relations and services, and financial/ asset management as it relates to sustaining affordable housing. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Consent of the instructor.

**UPP 492. Topics in Urban and Public Affairs. 3 hours.**

In depth study of selected issues of urban and public affairs. Course Information: May be repeated to a maximum of 6 hours. Students may register for more than one section per term. Prerequisite(s): Admission to the BA Program in Urban and Public Affairs or consent of the instructor.

**UPP 493. Topics in Urban Planning and Policy. 1-4 hours.**

Intensive analysis of selected planning problems or policy issues. Course Information: May be repeated to a maximum of 12 hours. Students may register for more than one section per term. Prerequisite(s): Junior standing or above; and consent of the instructor.

**UPP 494. Senior Capstone Experience in Urban and Public Affairs I. 3 hours.**

A selection of a capstone topic and introductory research on the topic. Course Information: Field work required. Prerequisite(s): Senior standing or above; Admission to the BA in Urban and Public Affairs Program or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Conference.