

# URBAN PLANNING

# UP

## School of Planning, Design and Construction College of Social Science

- 100 The City**  
Spring. 3(3-0)  
Evolution, character, dimensions and elements of cities.
- 201 Introduction to Urban and Regional Planning**  
Fall, Spring. 4(4-0)  
Urban planning concepts, contemporary urban issues, historical contexts, and the politics and theory of planning.
- 314 Methods for Investigation of Urban Systems**  
Spring. 4(3-2) Interdepartmental with Geography. Administered by Urban Planning. R: Open to students in the Urban and Regional Planning Major.  
Models, approaches, and techniques for urban and regional problem analysis, research, program evaluation, and project management. Application of related computer software.
- 353 Land Use Planning**  
Fall. 4(4-0) P: UP 201 RB: PLS 100 SA: UP 323  
Principles and techniques of land use planning, including role of social, economic and political systems. Comprehensive planning, neighborhood/sector planning, practical tools for land regulation and environmentally sensitive development.
- 365 Planning Law and Ethics (W)**  
Spring. 4(4-0) P: (UP 201) and completion of Tier I writing requirement R: Open to juniors or seniors in the Interdisciplinary Studies in Social Science major or in the Urban and Regional Planning major. SA: UP 465  
Legal and ethical concepts and processes involved in planning and development.
- 400 Special Topics in Urban Planning**  
Fall, Spring. 2 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course.  
Issues and problems in contemporary urban planning.
- 413 Urban Geography**  
Spring. 3(3-0) Interdepartmental with Geography. Administered by Geography. R: Not open to freshmen or sophomores.  
Theories and models of urban spatial form. Underlying structures and processes. Socio-spatial dimensions of modern urbanism. Differentiation and locational conflict in residential, commercial, and industrial space.
- 414 Geography of Transportation**  
Fall of odd years. 3(3-0) Interdepartmental with Geography. Administered by Geography. P: GEO 113 R: Not open to freshmen.  
Spatial principles of transportation. Theories of interaction, network structures, and location-allocation models. Role of transport and transport planning.
- 415 Location Theory and Land Use Analysis**  
Fall of even years. 3(3-0) Interdepartmental with Geography. Administered by Geography. P: GEO 113 or UP 201 RB: EC 201 or EC 202 R: Not open to freshmen or sophomores.  
Classical and neoclassical, static and dynamic models of industrial location and spatial organization. Land rent theory. Central place theory. Multi-locational organization. Growth transmission.
- 418 The Ghetto**  
Fall of odd years. 3(3-0) Interdepartmental with Geography. Administered by Geography. R: Not open to freshmen or sophomores.  
Analysis of the ghetto including its spatial organization and structure. Distribution of racial and ethnic populations. Emphasis on U.S. cities.
- 424 Geographic Information Systems and Design Tools for Planning**  
Fall, Spring. 3(0-3) R: Open to students in the Master in Urban and Regional Planning or in the Urban and Regional Planning major or in the Bachelor of Landscape Architecture and open to students in the Environmental Design major.  
Introduction to geographic information systems and its applicability to planning. Methods and techniques for analyzing land use planning issues.
- 425 Problems in Geographic Information Science (W)**  
Spring. 3(2-2) Interdepartmental with Geography. Administered by Geography. P: (GEO 325 or GEO 802) and completion of Tier I writing requirement  
Advanced theoretical and technical issues in geographic information science utilizing a problems oriented approach. Development and implementation of geographic information science solutions and formal documentation of work.
- 433 Introduction to Environmental Planning**  
Fall. 4(4-0)  
Nature and magnitude of contemporary environmental issues. Political, social and cultural forces that influence environmental policy and planning. Processes and tools available to planning professionals.
- 454 Local Economic Planning**  
Fall. 3(3-0) SA: UP 354  
The economic component of comprehensive community planning. Taxation and services delivery. Fiscal health and physical and social development of a community.
- 458 Housing and Real Estate Development**  
Fall. 3(2-2)  
Real estate development process from idea inception to asset management. Finance, organization, design and implementation. Housing, social impacts, and public sector involvement.
- 478 Urban Transportation Planning**  
Fall. 3(3-0) Interdepartmental with Geography. Administered by Urban Planning.  
Principles of decision-making in urban transportation planning. Demand and supply analysis, social and environmental impacts, implementation programs. Use of computer models.
- 488 The Sustainable and Climate Resilient City**  
Spring. 3(3-0) Not open to students with credit in UP 888.  
Multidisciplinary research in sustainability and climate resilience of urban places. Characteristics of sustainable and resilient cities, comparative analysis, and international perspective.
- 490 Independent Study in Urban Planning**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of school.  
Faculty-supervised individual study in aspects of urban planning.
- 494 Planning Practicum**  
Spring. 6(0-12) P: UP 314 and UP 454 R: Open to seniors in the Urban and Regional Planning Major. SA: UP 494A, UP 494B  
Collection, analysis and synthesis of planning information for an established urban or regional area. Problem identification and alternative plan formulation. Formulation of comprehensive physical development policies and plans, implementation of programs.
- 800 Special Topics in Urban Planning**  
On Demand. 2 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
Issues and current research in urban planning.
- 801 Concepts and Issues in Planning and Development**  
Fall. 4(4-0)  
Urban and regional planning and development. History of the planning profession. Current urban issues and planning approaches.
- 814 Applied Research Methods for Planning and Development**  
Spring. 4(3-2) RB: UP 801  
Techniques in urban and regional planning analysis. Forecasting models. Methods of urban project evaluation.
- 823 Urban Land Management and the Environment**  
Fall. 3(3-0) RB: UP 801 or concurrently  
Concepts, principles, tools, and techniques of urban and regional land management. Land use planning, public facilities, infrastructure location, and environmental sensitivity in land management.

## UP—Urban Planning

- 824 Geographic Information Systems and Design Tools for Planning**  
Fall. 3(0-3) R: Open to graduate students in the Master in Urban and Regional Planning or approval of school.  
Introduction to geographic information systems and its applicability to planning. Methods and techniques for analyzing land use and planning issues.
- 844 Planning Theory and Ethics**  
Fall. 3(3-0) RB: UP 801  
The planning and development process. Decision making in a political context. Professional ethics and practice. Gender, class, race and ethnicity in relationship to planning and development.
- 854 Economics of Planning and Development**  
Fall. 4(4-0) RB: UP 801  
Physical urban environment and local economic development.
- 855 Urban Sustainability and Climate Change**  
Fall of even years. 3(3-0) Not open to students with credit in UP 455.  
Urban sustainability in the context of the global climate change, tools for sustainability planning, adaptation to climate change, risk and vulnerability in different climate zones
- 865 Planning and Development Law**  
Spring. 3(3-0) RB: UP 801  
Constitutional and statutory bases for planning and development. Effects of case law on design, administration, and implementation of regulations.
- 868 Planning Resilience against Extreme Events**  
Spring. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. Interdepartmental with Global Urban Studies Program. Administered by Urban Planning.  
Theory on ephemeral planning and contemporary urbanism. Characteristics of disruptive technologies, disaster planning, and mega-events. Case studies of US and international cities in duress and recovery. Strategic and tactical planning, management practices, and 'winging it' in a state of exception. Implications for policy, management, operations, and planning.
- 878 Autonomous Futures: Self-driving Vehicles, Domotics, and Artificial Intelligence in Smart Cities**  
Fall. 3(3-0) Interdepartmental with Civil Engineering. Administered by Urban Planning.  
Characteristics of autonomous systems and emerging technology. Perceptions of people on future transport, mobility, housing, and living. International perspectives on ethics and transitions towards autonomous futures. Implications for engineering, policy, business, and planning.
- 889 Master's Research**  
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to master's students in the Master in Urban and Regional Planning. Approval of school.  
Supervised individual research for Plan B master's.
- 890 Independent Study**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department.  
Faculty-supervised study in aspects of urban planning.
- 892 Research Seminar in Planning and Construction Management**  
Fall. 2(2-0) RB: Second-year master's student in Urban and Regional Planning R: Open to graduate students in the Master in Urban and Regional Planning. SA: UP 897  
Research concepts. Research writing. Presentation methods.
- 893 Internship in Urban Planning**  
Fall, Spring, Summer. 2 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department.  
Supervised individual experience in approved agencies and departments in the Lansing area.
- 894 Planning Practicum**  
Spring. 4(0-8) RB: (UP 801 and UP 823 and UP 865) and Second-year masters student in Urban and Regional Planning. R: Open to master's students in the Urban and Regional Planning Major. SA: UP 894A, UP 894B  
Professional practice in the collection, analysis and synthesis of information by students or student groups under faculty supervision. Developing solutions to specific urban problems.
- 899 Master's Thesis Research**  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open to master's students in the Master in Urban and Regional Planning. Approval of school.  
Master's thesis research.