URBAN PLANNING

School of Planning, Design and Construction
College of Social Science

100  The City
Spring, 3(0-3) 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. P: UP 201 and CSE 101 and STT 201 Models, approaches, and techniques for urban and regional problem analysis, research, program evaluation, and project management. Application of related computer software.

324  Visual Communication and the Design Process
Fall, (2-4) P: UP 201 or concurrently R: Open to sophomores or juniors or seniors in the Urban and Regional Planning Major. SA: UP 231, UP 233, UP 334 Expressing concepts in visual terms for solutions to physical planning projects: graphic techniques and reproduction. Using the design process for solving land use problems: inventory, analysis, synthesis, community input and strategies for implementation.

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. P: Completion of Tier I writing requirement R: Open to juniors or seniors or graduate students in the Urban and Regional Planning Major. 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-localizational 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
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 R: Open to freshmen or sophomores. 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) P: UP 201 or approval of school R: Open to juniors and open to seniors in the Urban and Regional Planning major and open to graduate students in the Master in Urban and Regional Planning or approval of school. 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) P: (UP 353 or concurrently) and EC 201 RB: UP 201 R: Open to seniors in the College of Social Science. SA: UP 354 The economic component of comprehensive community planning. Taxation and services delivery. Fiscal health and physical and social development of a community.

455  Urban Sustainability and Climate Change
Spring of even years, 3(3-0) R: Open to juniors and open to seniors in the Urban and Regional Planning Major or in the Arabic Secondary Teaching Major or approval of school. 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.

458  Housing and Real Estate Development
Spring of even years, 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
Spring, 3(3-0) Interdepartmental with Geography. Administered by Urban Planning. R: Open to juniors or seniors in the Geography Major or in the Urban and Regional Planning Major or approval of school. 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
Fall of even years. 3(3-0) R: Open to students or seniors in the Urban and Regional Planning Major or approval of school. 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.

494  Planning Practicum
Spring, 4(0-8) P: UP 314 and UP 365 and UP 454 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
Fall, Spring, Summer. 2 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate students in Urban and Regional Planning.

801  Concepts and Issues in Planning and Development
Fall, Summer, 3(3-0) Urban and regional planning and development. History of the planning profession. Current urban issues and planning approaches.
Urban Planning—UP

814  **Applied Research Methods for Planning and Development**  
Spring. 3(2-2) Interdepartmental with Geography. Administered by Urban Planning. RB: UP 813 R: Open only to graduate students in the Urban and Regional Planning major or Public Administration major or Geography major.  
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.

824  **Geographic Information Systems and Design Tools for Planning**  
Spring. 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.

854  **Economics of Planning and Development**  
Spring. 3(3-0) Interdepartmental with Geography. Administered by Urban Planning. RB: UP 801  
The physical urban environment and local economic development.

855  **Urban Sustainability and Climate Change**  
Spring of odd years. 3(3-0) R: Open to masters students in the Master in Urban and Regional Planning or approval of school. 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**  
Fall. 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.

888  **The Sustainable and Climate Resilient City**  
Fall of odd years. 3(3-0) R: Open to graduate students in the Master in Urban and Regional Planning or approval of school. Not open to students with credit in UP 488.  
Characteristics of sustainable and resilient cities, comparative analysis, international perspective, cutting-edge multidisciplinary research in sustainability and urban places.

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. P: UP 897 or concurrently  
Supervised individual research for Plan B master's.

890  **Independent Study**  
Fall, Spring, Summer. 2 to 4 credits. A student may earn a maximum of 24 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 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.

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**  
Fall. 4(0-8) RB: (UP 801 and UP 823 and UP 865) and Second-year masters student in Urban and Regional Planning. R: Open only to masters 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 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. P: UP 897 or concurrently  
Supervised individual experience in approved agencies and departments in the Lansing area.  
Master's thesis research.