URBAN PLANNING

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. 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.

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. 4(4-0) 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-localization 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(3-0) 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 seniors in the Master in Urban and Regional Planning major.
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.

488 The Sustainable and Climate Resilient City
Fall. 3(3-0) R: Open to students or seniors 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.

490 Independent Study in Urban Planning
Fall, Spring. 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. 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. Issues and current research in urban planning.

814 Applied Research Methods for Planning and Development
Fall. 4(4-0)
Urban and regional planning and development. History of the planning profession. Current urban issues and planning approaches.

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
Fall. Spring. 3(0-5) 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.

UP—Urban Planning
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) R: Open to master's 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  
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 6 credits. A student may earn a maximum of 24 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.