

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. P: STT 201 and CSE 101

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. 4(2-4) P: UP 201 or concurrently R: Open only to sophomores or juniors or seniors in Urban and Regional Planning. 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.

343 Planning Theory: Ethics and Politics (W)

Spring. 4(4-0) P: (UP 201 or concurrently) and completion of Tier I writing requirement R: Open only to sophomores or juniors or seniors in the College of Social Science. SA: UP 344

Political impact of community decision-making on planning. Ethics and values of professional practice. Gender, equity, and diversity issues within this context will be explored.

353 Land Use Planning

Fall. 4(4-0) P: UP 201 or concurrently 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 UP 353) 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 only 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. 3(3-0) Interdepartmental with Geography. Administered by Geography. P: GEO 113 or UP 201 RB: One of the prerequisites or an introductory ECON course. 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. Multilocal 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

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 492

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. 3(3-0) 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.

439 Golf Course Planning and Design

Fall of even years. 3(3-0) Interdepartmental with Landscape Architecture. Administered by Urban Planning. RB: LA 342 R: Open to students in the Urban and Regional Planning major.

History, planning, and design of the golf course as a component of the community. Environmental, regulatory, technical, and financing issues.

450 Smart Growth and Strategic Land Use Decision Making

Fall, Spring. 3(3-0) Interdepartmental with Environmental Economics and Policy and Environmental Studies and Agriscience and Geography. Administered by Environmental Studies and Agriscience. RB: EC 201 or UP 201 or GEO 113 R: Not open to freshmen or sophomores.

Theories and models of smart growth and strategic land use planning and decision making. Intergovernmental coordination, regional socioeconomic development and environmental sustainability. Land use research and leadership development.

454 Local Economic Planning

Fall. 3(3-0) P: UP 353 and EC 201 RB: UP 201 R: Open only 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.

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 only to juniors or seniors in the Urban and Regional Planning major or Geography major or approval of department.

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) 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.

Characteristics of sustainable and resilient cities, comparative analysis, international perspective, cutting-edge multidisciplinary research in sustainability of urban places.

Urban Planning—UP

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 department.

Faculty-supervised individual study in aspects of urban planning.

494 Planning Practicum

Spring. 4(0-8) P: 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.

Issues and current research in urban 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.

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.

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.

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.

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 RB: UP 897 R: Open to masters 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. 2 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.

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

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 RB: UP 897 R: Open to masters students in the Master in Urban and Regional Planning. Approval of school.

Master's thesis research.