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.
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 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.

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 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.

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) R: Open to seniors or juniors in the Bachelor 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.

478 Urban Transportation Planning
Fall. 3(3-0) Interdepartmental with Geography. Administered by Urban Planning. R: Open for students of 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.

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. 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. 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.
Faculty-supervised individual study in aspects of urban planning.

494 Planning Practicum
Spring. 6(0-12) 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. 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. 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.

824 Geographic Information Systems and Design Tools for Planning
Fall. 3(3-0) 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) 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.

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  

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.

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  

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.

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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.

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Master's thesis research.