PLN 215 INTRODUCTION TO URBAN AND REGIONAL PLANNING
3, 3/0; DI14
Introduction to the practice, history and theory, critical issues, and tools and methods of plan making of urban and regional planning. Topics covered include sustainability, land use, housing, community and neighborhood planning, and transportation.

PLN 225 PLANNING METHODS
3, 3/0; IM14, WIIF
Prerequisites: PLN 215. Introduction to urban and regional planning methods and techniques commonly used in planning. Methodological skills, including data collection and analysis; survey design; public participation and engagement; the use of technology such as GIS, SketchUp, Google Earth, and Excel; public speaking; and development of technical writing.

PLN 295 RESEARCH EXPERIENCE IN PLANNING
1-3, 0/0
Prerequisite: Instructor Permission. Scholarship or creative work conducted under the supervision of a faculty member. Offered occasionally.

PLN 310 URBAN TRANSPORTATION PLANNING
3, 3/0
Prerequisite: GEG 309 or PLN 215. Comparative study of the modes of transportation, transportation planning, and the benefits and effects of transportation. Emphasis on application to urban transportation. The importance of accessibility to the development of a modern metropolitan transportation system. Offered alternate years.
Equivalent Course: GEG 310

PLN 315 PRINCIPLES OF URBAN AND REGIONAL PLANNING
3, 3/0
Prerequisites: PLN 215. Techniques to determine appropriate site design, use of land, and physical development patterns within community planning efforts. Methods to inventory existing land uses, determine locations for future land uses, and examine tools used in the evaluation of sites for development. Offered fall only.

PLN 325 MAPS AND MAPMAKING USING GIS
3, 3/0
Maps as essential form of communication. Geographic information systems (GIS) tools for creating digital and hardcopy maps. Spatial thinking, concepts, principals and methods of mapmaking; map development and display using technology. Offered every semester.
Equivalent Course: GEG 325

PLN 340 LAND USE PLANNING AND ZONING
3, 3/0
Prerequisite: PLN 215. Composition and administration of site plan local laws, subdivision regulations, and zoning ordinances and their adoption. Practical and legal relationship between current planning and long-term planning. New York state legislation, including relevant environmental regulations. Offered alternate years.

PLN 341 HOUSING AND REAL ESTATE
3, 3/0
Prerequisite: PLN 315. Housing elements relevant to the professional practice of planning, including the considerations of consumers in selecting communities, neighborhoods and sites; the description, conveyance, and marketable rights associated with real property, forms of home ownership, less conventional housing choices; government policy affecting housing. Investigation of local housing stock, both from the perspective of potential purchaser and historic preservationist. Offered alternate years.

PLN 350 PLANNING FOR SUSTAINABLE COMMUNITIES
3, 3/0
Prerequisites: PLN215. Theoretical and methodological examination of the role planning plays in creating sustainable communities. Focus on land use and urban design, housing, green buildings, transportation, food systems, and water resources. Relevant plans and policies at varying geographic scales. Measures of sustainability.

PLN 360 ENVIRONMENTAL IMPACT ASSESSMENT
3, 3/0
Prerequisites: Upper-division status and minimum of 9 credit hours in geography, planning, earth science, biology, or related environmental discipline. Introduction to the legislation and technical procedures involved with the development of Environmental Impact Statements (EIS) and Environmental Assessments (EA); emphasizes practical experience in conducting an EA and writing an EIS. Field trip. Offered alternate years.

PLN 370 WATER RESOURCE PLANNING
3, 3/0
Prerequisite: GEG 375 or GES 452. Introduction to water resource planning in the United States. Emphasis on project management and planning processes used by federal water resources agencies. Field trip and group project required. Offered occasionally.
PLN 380 NEIGHBORHOOD PLANNING AND COMMUNITY DEVELOPMENT
3, 3/0
Prerequisites: PLN 215. Explores the many forms, methods, and tools of neighborhood planning, community development, and engagement efforts aimed at revitalization in the context of historic and contemporary public and private sector policies and practices that have contributed to current challenges. Offered every other year.

PLN 390 QUANTITATIVE METHODS IN GEOGRAPHY AND PLANNING
3, 3/0
Prerequisites: Upper-division. Introduction to statistical methods with a focus on spatial and time-series data analysis in geography and planning applications. Statistical theory is reinforced through application of commonly used computer software to solve real world problems. Offered spring only. Equivalent Course: GEG 390

PLN 396 RESEARCH METHODS
3, 3/0
Prerequisites: GEG 390 OR PLN 390, and 6 upper division credits in GEG/PLN courses. Research theories, designs, and methods relevant to conducting research in geography and planning. Research designs and methodologies for approaches with human subjects, human/social geography, physical geography, field-based research, and planning projects. Development of a research project proposal. Offered fall only. Equivalent Courses: GEG 396, GEG 396W, PLN 396W

PLN 401 COMPREHENSIVE PLANNING STRATEGIES
3, 3/0
Prerequisites: Upper-division status and PLN 215. The role of comprehensive planning as it influences future patterns of municipal land use. Techniques for identifying issues and reaching consensus on goals for future development. Detailed examination of the process of preparing and adopting a master plan and stakeholder participation, including inter-municipal collaboration. Offered alternate years.

PLN 405 URBAN ANALYSIS USING GIS
3, 3/0
Prerequisites: GEG 309 and GEG 325; or instructor permission. Data and techniques for analyzing urban systems and urban areas using Geographic Information Systems (GIS). Implementation of urban models introduced in GEG 309. Equivalent Course: GEG 405

PLN 410 SUSTAINABLE TRANSPORTATION PLANNING
3, 3/0
Prerequisites: PLN 310. Sustainability and transportation. Evolution of transportation planning goals with respect to “three Es” of sustainability (Equity, Ecology, and Economy). Policies and solutions at local, state, and national levels. Methods for impact assessment.

PLN 412 COMMUNITY PLANNING AGENCIES AND ISSUES
3, 3/0
Prerequisite: PLN 315 and GEG 199 or CIS 101 or competence in computing. The role of the professional planner in a range of government and private agencies; introduction to the tools needed by the professional planner; discussion of planning techniques and issues. Emphasis on professional ethics and the function of staff in a variety of planning agencies. Offered fall only.

PLN 415 SEMINAR IN PLANNING
3, 3/0
Prerequisite: PLN 315. Investigation, discussion, and research of topics of current interest in planning or economic development; techniques and methods of analysis used in planning process. Topics vary each semester. Offered occasionally.

PLN 430 SENIOR THESIS
3, 3/0
Prerequisites: GEG/PLN 390 and GEG/PLN 396 C or better and senior geography or planning major. Research in geography or planning and presentation of selected research-related topics. Offered spring only. Equivalent Courses: GEG 430, GEG 430W, PLN 430W

PLN 431 PLANNING PRACTICUM
3, 3/0; CT14, WIIF
Prerequisites: PLN 225 and senior planning major. Capstone experience; students engage in a group project focused on applying specific knowledge and skills gained in the program to a real world planning problem. Utilizes a project-based research approach to identify a problem or issue and develop a plan to address it.

PLN 488 INTERNSHIP
1-15, 0/0
Prerequisites: PLN 215 and 6 credit hours of planning coursework at the upper-division level; background of courses or experience within area of interest; and minimum cumulative GPA of 2.5. Guided, supervised field experiences that complement the academic program. Offered every semester.

PLN 495 SPECIAL PROJECT
3, 0/0
Offered occasionally.

PLN 499 INDEPENDENT STUDY
3, 0/0
Offered occasionally.