

# URBAN PLANNING AND DESIGN (UPD)

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## Courses

UPD 5526 History of Urban Planning & Design Credits: 3

The course provides a survey of the history of urban planning and design with emphasis on the nineteenth and twentieth centuries in the United States. The course also teaches basic historic research methods.

UPD 5596 Directed Study In Urban Planning And Design Credits: 1-3

Intensive reading and/or research in an area selected by the student in consultation with the instructor.

UPD 5596A Directed Study In Urban Planning And Design Credits: 1-3

Intensive reading and/or research in an area selected by the student in consultation with the instructor.

UPD 5596B Directed Study In Urban Planning And Design Credits: 1-3

Intensive reading and/or research in an area selected by the student in consultation with the instructor.

UPD 5596C Directed Study In Urban Planning And Design Credits: 1-3

Intensive reading and/or research in an area selected by the student in consultation with the instructor.

UPD 5599 Special Topics In Urban Planning And Design Credits: 1-3

Intensive reading and/or research in an area selected by the student in consultation with the instructor.

UPD 5599A Special Topics In Urban Planning And Design Credits: 1-3

Intensive reading and/or research in an area selected by the student in consultation with the instructor.

UPD 5599B Special Topics In Urban Planning And Design Credits: 1-3

Intensive reading and/or research in an area selected by the student in consultation with the instructor.

UPD 5599C Special Topics In Urban Planning And Design Credits: 1-3

Intensive reading and/or research in an area selected by the student in consultation with the instructor.

UPD 5630 Quantitative Planning Methods I Credits: 3

This course introduces graduate students to quantitative methods in urban planning analysis. Topics include relating built form to function, demographic forecasting, economic impact analysis, trip generation, and housing market dynamics.

**Prerequisites:** STAT 235.

UPD 5700 Advanced Planning Theory & Practice Credits: 3

Exploration of contemporary planning theory and practice, including planning knowledge, skills, values, and ethics.

UPD 5710 Historic Preservation Studio Credits: 3

Studio instruction in historic preservation planning focusing on research, context, evaluation, policy, and plan creation for historic resources.

UPD 5735 Natural Hazards and Disaster Planning Credits: 3

Presents the field of emergency management including history, hazard types, uncertainty, mitigation, preparedness, response, recovery and global perspectives.

UPD 5740 Advanced GIS for Urban Planning Credits: 3

This advanced level GIS course is designed to expose graduate students to high level GIS techniques and geospatial analysis in the urban planning context. Students will learn data management skills in GIS and advanced geoprocessing tools with hand-on experiences. Students will also have an opportunity to work on a real world GIS project as part of course requirements.

**Prerequisites:** UPD 203.

UPD 5742 Transportation Planning Credits: 3

This course provides fundamental theories, methods, and contemporary issues in transportation planning. The topics covered in this course include the transportation planning process, transportation systems, travel demand analysis, and policy issues such as the linkage between land use and transportation and environmental impacts, and traffic congestion.

UPD 5743 Introduction to Historic Preservation Credits: 3

The course introduces the history and theory of historic preservation through a survey of major issues in the field from a planning perspective. The course focuses on preservation through cultural, social, historical, legal, policy, and economic lenses, primarily in the United States.

UPD 5744 History of the Built Environment Credits: 3

Survey of the built environment concentrating on nineteenth and twentieth century design in the United States.

UPD 5745 Historic Preservation Methods Credits: 3

Exploration of historic preservation methods, including survey, documentation, policy, and management approaches used in practice.

UPD 5746 Urban Environmental Planning Credits: 3

Urban environmental planning examines ecological change due to urbanization. It looks at ways to measure and demonstrate ecological change at the site, neighborhood, and regional scales. Students incorporate environmental ideas and policies into plans developed for a client.

UPD 5747 Urban Redevelopment Credits: 3

This course examines techniques of urban redevelopment within urban planning and real estate. Graduate students learn about the development process, real estate markets, techniques of development finance and local policy approaches to urban redevelopment incentives.

UPD 5750 American Housing Credits: 3

Students will explore housing in cultural, design, and historical terms and examine contemporary American housing policy.

UPD 5790 Historic Preservation Internship Credits: 3

Off-campus work experience with an approved professional, government, or nonprofit agency sponsor.

**Prerequisites:** UPD 5743.