Department of Urban and Regional Planning

Information Technologies for Planning Specialization

Faculty: Paul Zwick, Ilir Bejleri, Zhong-Ren Peng, Stanley Latimer, Yan Wang

Introduction:

The Information Technologies for Planning Specialization provides on-campus students with the skills to excel as a planner who uses advanced information systems and technologies. The specialization teaches students to think critically about the use and function of advanced technologies within the planning profession and academy. Students are taught the techniques, methods, and concepts of planning analysis as a modern field.

Substance/Concepts:

Spatial analysis; Spatial Reasoning; Spatial Statistics for Planning Practice and Research; Information Communications Technologies and Web Technologies to Enable Information Dissemination and Public Participation; Urban Modeling and Visual Simulation.

Courses:

The Information Technologies for Planning Specialization is achieved through the completion of 12 credit hours, which consist of three required specialization courses and one elective specialization course. Students should also take **URP 6341** in the Spring; this studio is jointly taught with Landscape Architecture (as LAA 6656) and applies GIS. These credit hours may be obtained based upon the following opportunities:

Information Technologies for Planning Specialization					
Course	**Name**	**Credits**	**Prerequisite**	**Instructor**	**Semester**
Take each:					
URP 6270*	Introduction to Planning Information Systems	3	None	Latimer/ Wang	Fall or Spring
URP 6271	Automation for Geospatial Modeling and Analysis	3	URP 6270	Bejleri	Spring
URP 6272	Urban Spatial Analysis	3	URP 6270	Zwick	Spring
Choose one:					
URP 6280	3D Geospatial Modeling and Visualization	3	URP 6270	Bejleri	Fall

URP 6821	Transportation and Land Use Modeling	3	URP 6716* or TTE 5006 (see below)	Peng	Spring
Select GIS focused studio:					
URP 6341	Urban Planning Project	6	URP 6270	Zwick	Spring

* Also a Distribution course