

LAND USE, INFRASTRUCTURE, AND TRANSPORTATION PLANNING

SPECIALIZATION, MUP Program *for Students Entering Prior to Autumn 2016*

The Land Use, Infrastructure, and Transportation Planning area of specialization prepares students for careers in planning dealing with the orderly, efficient, and equitable development and arrangement of land uses. Today's land use issues encompass growth management, urban infill, affordable housing, sustainable urbanization, land supply monitoring, rural and resource land conservation, urban and suburban redevelopment, open space, natural hazards, transit-oriented land use, land use and transportation linkages, and the containment of urban sprawl. Implementation tools include zoning, public development authorities, subdivision controls, and capital improvement programs. The knowledge and skills necessary for land use planning embrace:

- The forces that shape urban form and spatial structure
- The roles of both the public and private sectors in urban development
- How natural systems constrain or direct development
- Land information systems including the application of computer models, GIS and remote sensing
- Development impact assessment
- The design of policies, plans and projects
- Negotiation, group process, and conflict resolution
- Using public investments, regulations, and incentives to shape the location and timing of development
- Effective, fair, and efficient permit processing.

Specialization in land use planning beyond the MUP core curriculum is provided through a recommended sequence of courses which can at the same time satisfy most of the distributional and open elective requirements of the MUP program. It is expected that students will select courses that together constitute an area of emphasis within land use and infrastructure planning. In addition to courses offered in this department, additional appropriate courses are offered in such academic units as Landscape Architecture, Geography, Public Affairs, Civil Engineering, Forest Resources, Marine Studies, and Law.

Required foundation courses*

URBDP 566	Infrastructure Planning	Autumn	Whittington
URBDP 522	Geospatial Analysis	Winter	variable
URBDP 598	Land Use and Comprehensive Planning II OR	Winter or Spring (2nd year)	Born
URBDP 598	Land Use and Transportation Policy	Spring	Carlson

Electives

A minimum of two additional courses from within or outside the department, in land use or growth management planning, neighborhood planning, housing, transportation/infrastructure planning, sustainable development, hazards mitigation or related subjects, to be determined in consultation with the faculty advisor.

Studio, and thesis or professional project

If available, a studio in the land use or infrastructure planning area

A thesis or professional project related to this area of specialization

* Except where noted, required courses can be taken in the 1st or 2nd year.