

Section: 5T
Thursdays
5:05 pm – 7:50 pm

GEG 490/645/ARC 685 LAND USE PLANNING

Dr. Sarbeswar Praharaj

Course Outline

Sustainable management of cities requires careful and intelligent use of land, which is a scarce and finite resource. This course will delve into the fundamentals of land use planning and why planning matters for a livable planet. You will learn about the steps and prerequisites of land use planning, including socioeconomic analysis, GIS-based land use mapping, environmental modeling, and future growth forecasting techniques. Using Geodesign tools, you will have the opportunity to engage with the city stakeholders and community groups to identify the critical needs of the society. Building on these, you will articulate a clear vision for an integrated and equitable land use plan for a case study in Miami-Dade County. As part of the course, you will hear from policy experts on comprehensive planning that guides the development of our cities. Overall, you will gain the professional skills required to effectively manage growth and land use change to meet community goals.

Skills you will gain:

- Future Land Use and Comprehensive Planning
- Urban Growth Management
- Environmental Planning
- Equitable Community
- Participatory Design
- Integrated Development
- Land Use Policy
- Urban Land Governance