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TRAN 655-102: Land Use Planning

Rongfang Liu

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Syllabus for TRAN 655. Land Use Planning Spring 2021

Meeting Time and Location:

6:00 – 8:50 PM, M. Synchronous online

Instructor:

Dr. Liu

Phone Number: 596-5884

Email: Rliu@njit.edu

Office Hours:

M: 10 AM – 1 PM or By appointment

Text Book:

Berke, Godschalk, Chapin, and Kaiser with Rodriguez (2006). *Urban Land Use Planning* (5th Edition). Chicago: University of Illinois Press.

Course Objectives

This course provides an opportunity for student to examine and understand existing land use planning methods and formats, develop land use planning skills, and gain experiences by examining the linkage between land use and transportation systems for certain urban areas.

A studio/project section is included in this course, which bring students out of the classroom and into a real local community to exam the linkage among land use, urban development, transportation and economic vitality.

By the end of this course, you should be able to

1. Articulate a clear vision of what constitutes an effective local land use plan and describe a range of possible plan formats.
2. Familiar with the history, intents, and purposes of comprehensive plans and the comprehensive planning process.
3. Specify the components of a complete land use planning program and know how the land use plan fits into the comprehensive plan.
4. Know how to go about formulating a plan in a professional manner, appropriate to the community context via class project - land use plan for an actual community.

5. Develop a dependable sense of judgment for assessing the validity, effectiveness, feasibility, strength, and weakness of various land use plan-making methods and plan formats.

Course Contents

1. Introduction
 - a. Ice Breaking
 - b. City Briefing
2. Conceptual Framework
 - a. The Land Use Planning Arena
 - b. Concepts of Land Use Change Management
 - c. A Local Government Land Use Planning Program
3. Planning Intelligence
 - a. Planning Information Systems
 - b. Population
 - c. The Economy
 - d. Environment
 - e. Land Use
 - f. Infrastructure and Community Facilities
4. Advance Planning
 - a. Direction Setting
 - b. Overview of the Land Use Design Process
 - c. Land Classification Planning
 - d. Commercial and Employment Centers
 - e. Residential Areas
 - f. Integrating Community Facilities with Land Use
 - g. Development Management Planning
5. Development Management and Problem Solving
 - a. Evaluation and Impact Mitigation
 - b. Implementation

Grade Policy:

- | | |
|-----------------|-----|
| 1. Home work | 30% |
| 2. Mid-term | 30% |
| 3. Presentation | 10% |
| 4. Final | 30% |

Class Schedule

ID	Date	Contents	Presenters	Home Work
1	1/18	Introduction/Ice Break		
2	1/25	Conceptual Framework		hw01 out
3	2/1	Planning Support system		HW01 Due
4	2/8	Population	1, 2	
5	2/15	Economy	3, 4	HW02 out
6	2/22	Environment/Land Use	5, 6	HW02 Due
7	3/1	Infrastructure and community facilities	7, 8	
8	3/8	Midterm		
9	3/15	Spring Break		
10	3/22	Direction Setting/overview of land use design process		HW03 Out
11	3/29	Land classification planning	9, 10	HW03 Due
12	4/5	Commercial and employment centers/Residential areas	11, 12	
13	4/12	Integrating community facilities with land use/Development management planning	13, 14	Final out
14	4/19	Development management and problem solving		
15	4/26	Presentation		
16	5/3	Final		Final Due