

Syllabus: CE 450 Urban Planning Spring 2018

Meeting Time:

10:00 – 12:55 PM, Tuesday

Meeting Location:

CKB 226

Instructor:

Dr. Liu

Office: 217 Colton

Phone Number: 5884

Office Hours:

T: 2:00 – 5:00 PM or by appointment

Text Book:

Anderson, A.T., 2000. Planning the Built Environment. Planners Press, American Planning Association, Chicago Illinois. ISBN 1-884829-43-0.

Course Objectives

This course provides an opportunity for students to acquire entry level knowledge on urban planning, its principles, techniques, and uses. Topics include Land, Utilities, Transportation, and Residential areas - the basic elements of our built environment. This course emphasize practical knowledge and real world observations and student will be exposed to worldwide case studies based on cities, metropolitan areas, and other built environment.

Course Contents

1. Introduction
2. Land
 - a. Land Form
 - b. Maps
 - c. The Constraints of Slope on Land Development

3. Utilities
 - a. Water Supply and Distribution
 - b. Wastewater Management
 - c. Storm Drains
 - d. Other Utilities

4. Transportation
 - a. Transportation Planning
 - b. Street Capacity
 - c. Basic Highway Design
 - d. Parking
 - e. Transit Planning

5. Residential Areas
 - a. Housing
 - b. Residential Density
 - c. Neighborhood Planning
 - d. Street Design
 - e. The Subdivision Process
 - f. Single Family Subdivisions
 - g. Multifamily Development
 - h. Community Facilities

Grade Policy:

1. Home Work	25%
2. Mid-term Exam	25%
3. Presentation	10%
4. Final Project	30%
5. Attendance	10%

The NJIT Honor Code will be upheld, any violations will be brought to the immediate attention of the Dean of Students. Students will be consulted with by the instructor and must agree to any modifications or deviations from the syllabus throughout the course of the semester.

At a major university like NJIT, the faculty have obligations of diverse types. Some of the duties include involvement with ASCE, TRB, and other professional organization. In addition, research activities may require faculty to attend conferences, to present papers, and to participate in other activities.

The instructor will make every effort to miss as few classes as possible. In case it can not be avoided, she will arrange other alternatives to enrich the course and the learning experience.

CE 450 Class Schedule, Spring 2018

ID	Week of	Contents	Home Work
1	1/16	Introduction	Get Text book/ Read chapter 1, 2, &3
2	1/23	Land Form, Maps and Slopes	HW01 Out
3	1/30	Utilities	HW01: Due
4	2/6	Transportation Planning/ Street Capacity	
5	2/13	Parking/Transit Planning	HW 02 Out
6	2/20	Housing	HW02 Due
7	2/27	Residential Density	
8	3/6	Midterm	
9	3/13	No Class, Spring Break	
10	3/20	Neighborhood planning	HW03 out
11	3/27	Street design	HW03 due
12	4/4	Potential field trip or Game Day	
13	4/10	The Subdivision Process/	
14	4/17	Community Facilities	Final Assignment
15	4/24	Final Presentation	
16	5/1	No class, Friday Schedule	
17	5/8	Final Due	Final due
18	5/12	Final Grade Due	