Syllabus:
CE 450 Urban Planning
Fall 2016

Meeting Time:
2:30 – 3:55 PM, T & Th

Meeting Location:
CKB 214

Instructor:
Dr. Liu
Office: 217 Colton
Phone Number: 5884

Office Hours:
T: 11 AM – 2:00 PM or by appointment

Text Book:

Course Objectives

This course provides an opportunity for students to acquire entry level knowledge on urban planning, its principles, techniques, and use. Topics include Land, Utilities, Transportation, and Residential areas - the basic elements of our built environment. Emphasis of this course is on practical knowledge and real world observations: large amount of class material will be drawn from cities, metropolitan areas, and other built environment worldwide.

Course Contents

1. Introduction/Land
   a. Land Form
   b. Maps
   c. The constraints of Slope on Land Development
2. Utilities
   a. Water Supply and Distribution
   b. Wastewater Management
   c. Storm Drains
   d. Other Utilities

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

4. 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 30%
3. Presentation 10%
4. Final Project 30%
5. Attendance 5%

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.
<table>
<thead>
<tr>
<th>ID</th>
<th>Week of</th>
<th>Contents</th>
<th>Home Work</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>9/6</td>
<td>Introduction /Land Form, Maps, &amp; Slope</td>
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<tr>
<td>2</td>
<td>9/13</td>
<td>Water Supply and Distribution/</td>
<td>HW01: out</td>
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<td>3</td>
<td>9/20</td>
<td>Wastewater/Storm water/other Utility</td>
<td>HW01: due</td>
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<td>4</td>
<td>9/27</td>
<td>Transportation Planning/Street Capacity</td>
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<td>5</td>
<td>10/04</td>
<td>Basic Highway Design/Parking/</td>
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<td>6</td>
<td>10/11</td>
<td>Transit Planning</td>
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<td>7</td>
<td>10/18</td>
<td>Midterm</td>
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<td>8</td>
<td>10/25</td>
<td>Housing/Residential Density</td>
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<td>11/1</td>
<td>Neighborhood Planning/Street design</td>
<td>HW02 out</td>
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<td>11/8</td>
<td>Game Day</td>
<td>HW02 Due</td>
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<td>11/15</td>
<td>The Subdivision Process/Single family</td>
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<td>11/22</td>
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<td>13</td>
<td>11/29</td>
<td>Multiple Family Development/ Community Facilities</td>
<td>Final Assignment</td>
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<td>12/6</td>
<td>Final Presentation</td>
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<td>12/13</td>
<td>Q &amp; A</td>
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<td>16</td>
<td>12/20</td>
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