Spring 2019

TRAN 655-102: Land Use Planning

Rongfang Liu

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Syllabus for
TRAN 655. Land Use Planning
Spring 2019
Section: 102

Meeting Time:
6:00 – 8:55 PM, T

Meeting Location:
FMH 314

Instructor:
Dr. Liu
Office: 217 Colton Hall, Phone Number: 596-5884

Office Hours:
Th: 10 Am – 1 PM or By appointment

Text Book:

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 planning 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 for CE/TRAN 655 Land Use Planning

<table>
<thead>
<tr>
<th>ID</th>
<th>Date</th>
<th>Contents</th>
<th>Home Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1/22</td>
<td>Introduction/Ice Break</td>
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<tr>
<td>2</td>
<td>1/29</td>
<td>Conceptual Framework</td>
<td>hw01 out</td>
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<tr>
<td>3</td>
<td>2/5</td>
<td>Planning Support system</td>
<td>HW01 Due</td>
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<tr>
<td>4</td>
<td>2/12</td>
<td>Population</td>
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<td>5</td>
<td>2/19</td>
<td>Economy</td>
<td>HW02 out</td>
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<td>6</td>
<td>2/26</td>
<td>Environment/Land Use</td>
<td>HW02 Due</td>
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<td>7</td>
<td>3/5</td>
<td>Infrastructure and community facilities</td>
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<tr>
<td>8</td>
<td>3/12</td>
<td>Direction Setting/overview of land use design process</td>
<td>Midterm Assignment</td>
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<td>9</td>
<td>3/19</td>
<td>Spring Break</td>
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<td>10</td>
<td>3/26</td>
<td>Land classification planning</td>
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<td>11</td>
<td>4/2</td>
<td>Commercial and employment centers/Residential areas</td>
<td>Midterm Due</td>
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<td>4/9</td>
<td>Potential field trip</td>
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<td>13</td>
<td>4/16</td>
<td>Integrating community facilities with land use/Development management planning</td>
<td>Final out</td>
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<td>14</td>
<td>4/23</td>
<td>Development management and problem solving</td>
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<td>15</td>
<td>4/30</td>
<td>Presentation</td>
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<td>16</td>
<td>5/7</td>
<td>No class, Friday Schedule</td>
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<td>17</td>
<td>5/14</td>
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<td>Final Due</td>
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