# CE107 - Spring 2015
## Introduction to Civil Engineering Graphics

### COURSE OUTLINE

<table>
<thead>
<tr>
<th>WEEK</th>
<th>TOPICS</th>
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<tbody>
<tr>
<td>1/15</td>
<td>Basic AutoCAD commands, object snap, annotation</td>
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<tr>
<td>1/22</td>
<td>Basic AutoCAD commands, application of layers</td>
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<tr>
<td>1/29</td>
<td>More advance 2D AutoCAD commands, polylines</td>
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<tr>
<td>2/5</td>
<td>3D AutoCAD commands, viewports, 3D annotation</td>
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<tr>
<td>2/12</td>
<td>Introduction to Revit 2013, Lecture 1 (site, elevation, walls, roof)</td>
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<tr>
<td>2/19</td>
<td>Introduction to Revit 2013, Lecture 2 (windows, doors, staircases)</td>
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<tr>
<td>2/26</td>
<td>Introduction to Revit 2013, Lecture 3 (schedules, rendering, animation)</td>
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<tr>
<td>3/5</td>
<td>Hand Sketch of Dream House due, begin of Architectural Project</td>
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<tr>
<td>3/12</td>
<td>Introduction to AutoCAD Civil 3D 2013 (prospector, objects)</td>
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<tr>
<td>3/26</td>
<td>AutoCAD Civil 3D (points, site and parcels), more Revit applications</td>
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<tr>
<td>4/2</td>
<td>AutoCAD Civil 3D (surfaces, roadways), more Revit applications</td>
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<tr>
<td>4/9</td>
<td>AutoCAD Civil 3D (assemblies and corridors), more Revit applications</td>
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<tr>
<td>4/16</td>
<td>AutoCAD Civil 3D (superelevation, grading and volumes)</td>
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<tr>
<td>4/23</td>
<td>Presentation of Final Architectural Projects, early presentations</td>
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<tr>
<td>4/30</td>
<td>Presentation of Final Architectural Projects</td>
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### Grading Policy:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
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<tbody>
<tr>
<td>AutoCad drawings, AutoCAD Civil 3D Designs, Hand sketches</td>
<td>50%</td>
</tr>
<tr>
<td>Final Architectural Design Presentation</td>
<td>50%</td>
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### Reference Material:

Vast amount of Auto Desk resources available on the Internet,

Course Website: [http://www-classes.usc.edu/engr/ce/107](http://www-classes.usc.edu/engr/ce/107)