

# Construction Graphics

(Thursday 6 - 9:50 pm)

Instructor: Professor Brian Schuch, email BrianSchuch@gmail.com

Professor: Brian Schuch, AIA, ph# (to be provided), email BrianSchuch@gmail.com

## Course Objective:

To prepare Architectural, Civil and Construction Technology students with a working knowledge of the fundamental concepts of construction graphics as a means to convey "design intent" and "constructability" to the construction industry, through the execution of actual construction drawings.

Method: Lectures, Demonstrations, Class Discussion and Studio Practice.

Text: Construction Graphics, Keith A. Bisharat

Pre-requisites: None

Co-requisites: K 135L

## COURSE TOPICS/CONTENT

<u>Week 01</u> 09/04 <i>Measurement</i>	An Overview <i>History, Participants, Projects,</i>	<u>Week 09</u> 10/30	Doors & Windows <i>Conventions, Details &amp; Methods</i>
<u>Week 02</u> 09/11 <i>try</i>	Design Drawing <i>Sketches, Ortho, Descriptive Geometry</i>	<u>Week 10</u> 11/06	Roofing Systems <i>Conventions, Details &amp; Methods</i>
<u>Week 03</u> 09/18	Construction Drawing <i>Page Layout, Descriptive Geometry</i>	<u>Week 11</u> 11/13	Interior Construction <i>Conventions, Details &amp; Methods</i>
<u>Week 04</u> 09/25	Site Construction Drawing <i>Site Plan Data, Grading, Structures</i>	<u>Week 12</u> 11/20	Mechanical Systems <i>Conventions, Details &amp; Methods</i>
<u>Week 05</u> 10/02	Foundation Systems <i>Plans, Sections Details, Methods</i>	<u>Week 13</u> 11/27	No Classes <i>Thanksgiving</i>
<u>Week 06</u> 10/09	Framing Systems <i>Conventions, Details &amp; Methods</i>	<u>Week 14</u> 12/04	Electrical systems <i>Conventions, Details &amp; Methods</i>
<u>Week 07</u> 10/16	Framing Systems Cont'd <i>Conventions, Details &amp; Methods</i>	<u>Week 15</u> 12/11	Fabrication Drawings <i>Conventions, Details &amp; Methods</i>
<u>Week 08</u> 10/23	Cladding Systems <i>Conventions, Details &amp; Methods</i>	<u>Week 16</u> 12/18	Final Drawing Sets <i>Final Drawing Packages Due</i>