

THREE RIVERS COMMUNITY COLLEGE
Architectural Drafting I • ARC 1120/1121
Fall 2004

Professor: Mark A. Comeau, AIA, (day 885-2387), email MystArch@aol.com

Course Objective: To prepare Architectural Design Technology students with a working knowledge of the fundamental concepts of architectural drafting as a means to convey “design intent” to the construction industry, through the execution of actual architectural drawings.

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

Text: Residential Architecture: Design & Drafting, Earnest Weidhaas

Pre-requisites: None Co-requisites: ARC 1121

COURSE TOPICS/CONTENT

<u>Week 01</u> Drawing Techniques & Tools 08/26 <i>Reading Scales, Drafting Lines/style</i>	<u>Week 09</u> Basic Elevation Concepts 10/21 <i>Elevation Elements</i>
<u>Week 02</u> Drawing Techniques & Tools 09/02 <i>Line Weight, Templates & Shapes</i>	<u>Week 10</u> Elevation Exercise 10/28 <i>Construction Elevations</i>
<u>Week 03</u> Layout, Geometric Construction 09/09 <i>Page Layout, Descriptive Geometry</i>	<u>Week 11</u> Basic Detail Concepts 11/04 <i>Detail Elements</i>
<u>Week 04</u> Layout, Orthogonal Projection 09/16 <i>Plan, Front & Side Views</i>	<u>Week 12</u> Detailing Exercise 11/11 <i>Construction Details</i>
<u>Week 05</u> Basic Floor Plan Concepts 09/23 <i>Floor Plan Elements</i>	<u>Week 13</u> Basic Interior Elevation Concepts 11/18 <i>Interior Elevation Elements</i>
<u>Week 06</u> Floor Plan Exercise 09/30 <i>Construction Floor Plans</i>	<u>Week 14</u> No Class 11/25 <i>Thanksgiving</i>
<u>Week 07</u> Basic Section Concepts 10/07 <i>Section Elements</i>	<u>Week 15</u> Schedules 12/02 <i>Doors, Windows, Finishes</i>
<u>Week 08</u> Section Exercise 10/14 <i>Construction Sections</i>	<u>Week 16</u> Basic Construction Set 12/09 <i>Final Drawing Packages Due</i>

Required Materials:

- 12" role of cream trace
- 12" architect's scale
- 12" 45° triangle
- one box of drafting dots (tape)
- one 0.5mm drafting pencil
- 0.5mm H lead
- 0.5mm 2H lead
- one compass
- erasing shield
- soft stick eraser

Optional Materials:

- 6" 45° triangle
- circle template
- ¼" scale floor plan template
- adjustable scale
- drawing broom
- 24" x 36" Drafting Top