

THREE RIVERS COMMUNITY COLLEGE
Architectural Drafting I ▪ ARC 1120/1121
Fall 2001

Instructor: John Walsh, (day 572-9922), email mystjpwalsh@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> 09/06	Drawing Techniques & Tools Reading Scales, Drafting Lines	<u>Week 09</u> 11/01	Pre-Design & Sketches Schematic Floor Plan Sketches
<u>Week 02</u> 09/13	Drawing Techniques & Tools Line Weight, Templates & Shapes	<u>Week 10</u> 11/08	Pre-Design Drawings & Sketches Schematic Sections & Details
<u>Week 03</u> 09/20	Layout, Geometric Construction Page Layout, Additive Forms	<u>Week 11</u> 11/15	Descriptive Geometry Graphic Description Detail
<u>Week 04</u> 09/27	Layout, Orthogonal Projection Adjacent drawings, Projections	<u>Week 12</u> 11/22	Thanksgiving Break (and advising week, no class)
<u>Week 05</u> 10/04	View Drawing, Isometric 30° & 60° Isometric Drawings	<u>Week 13</u> 11/29	Descriptive Geometry Site Survey Deed-to-Drawing
<u>Week 06</u> 10/11	View Drawing, Oblique Simple Oblique Drafting	<u>Week 14</u> 12/06	Architectural Construction Details Large Scale Section Details
<u>Week 07</u> 10/18	Pictorial Drawings, Plans/Elevations Elements of Plans & Elevations	<u>Week 15</u> 12/13	Special Topics Renderings, Color/Shadows
<u>Week 08</u> 10/25	Pictorial Drawings, Sections Elements of Sections & Details	<u>Week 16</u> 12/20	Special Topics Renderings, Perspective Concepts

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