

Course Outline
TEC D 107 – Technical Drawing
 Olympic College – Bremerton, WA

Week 1

Day1 Chapter 1 – ***“Introduction”***
 -***Syllabus and Course Outline***
 - ***Drafting Equipment, Scoring Sheet, Title Block and Border, & Centering Drawing***

Exercises: **Exercise #1** – Equipment Exercise

Day2 Chapter 2 – ***“Drafting Equipment and Supplies”***
 -***Go over Scales & Protractor***

Assignment: Problem: **2-38** (divide sheet into (4) and do the (4) problems on left side)

Exercises: **Exercise #2** – Matching Angles

Week 2

Day1 Chapter 2 – ***“Drafting Equipment and Supplies”***

Assignment: Problems: **2-38** (divide sheet into (4) and do the (4) problems on right side)

Day2 Chapter 3 – ***“Sketching and Lettering”***
 Chapter 6 – ***“Drafting Conventions and Formats”***

Assignment: Problems: A - (Divide sheet into (2) do **3-7 & 3-8**)
 B - (Divide sheet into (2) do **3-9 & 3-10**)

Extra Credit: **Hand letter “Required Materials” on syllabus**

Exercises: **Exercise #3** – Lettering Exercise and Practice Handout

Week 3

Day1 Chapter 7 – ***“Geometric Constructions”***

Assignment: Problems: **7-29 (3)** (1 ½” scale)
 Problems: **7-29 (4)** (1 ½” scale)
 Problems: **7-29 (6)** (1 ½” scale)
 Problems: **7-29 (7)** (1 ½” scale)

Exercises: **Exercise #4** – Geometric Constructions A

Day2 Chapter 7 – **“Geometric Constructions”**

Assignment: Problems: **7-29 (8)** (1 ½” scale)
 Problems: **7-31 (2)** (¾” scale)
 Problems: **7-31 (3)** (1” scale)
 Problems: **7-31 (4)** (1 ½” scale)

Exercises: **Exercise #5** – Geometric Constructions B

Week 4

Day1 Chapter 8 – **“Multiview Drawings”**

Assignment: Problems: **8-50** (right drawing)
 Problems: **8-51 & 8-56**

Exercises: **Exercise #6** – Orthographic Exercise

Day2 Chapter 8 – **“Multiview Drawings”**

Assignment: Problems: **8-60**
 Problems: **8-57 & 8-63**

Week 5

Day1 Chapter 11 – **“Sectional Views”**

Assignment: Problems: **11-26(4) & 8-77**

Exercises: **Exercise #7** – Sectional Views Exercise

Day2 Chapter 11 – **“Sectional Views”**

Assignment: Problem: **11-29** (lower left drawing)

Week 6

Day1 Chapter 9 – **“Dimensioning Conventions”**

Assignment: Problem: **8-58** (dimension)

Extra Credit: Go back and “Dimension” (2) drawings from Chapter 8 and re-submit.

Day2 Chapter 9 – **“Dimensioning Conventions”**

Assignment: Problem: **8-75** (dimension)

Extra Credit: Go back and “Dimension” (2) drawings from Chapter 11 and re-submit.

Week 7

Day1 Chapter 12 – **“Auxiliary Views”**

Assignment: Problem: **12-38** (Top, Front, & Auxiliary Views)

Exercises: **Exercise #8** – Concentric Circle Ellipse Exercise

Day2 Chapter 12 – **“Auxiliary Views”**

Assignment: Problem: **12-58(4)** (Top, Front, & Auxiliary Views)

Problem: **12-58(3)** (Top, Front, & Auxiliary Views)

Week 8

Day1 Chapter 15 – **“Pictorial Drawings”**

Assignment: Problem: **15-74** (bottom left drawing) (**Isometric**)
(15-69 1st edition)

Problem: **15-75** (top right drawing) (**Isometric**)

Exercises: **Exercise #9** – Isometric Circles Exercise

Day2 Chapter 15 – **“Pictorial Drawings”**

Assignment: Problem: **15-74** (top left drawing) (**Oblique**)
(15-70 1st edition)

Extra Credit: **Stipple (1) Isometric already drawn.**

Exercises: **Exercise #9** – Concentric Circle Ellipse Exercise

Week 9

Day1 Chapter 13 – **“Descriptive Geometry”**

Assignment: Page TBA – Problems: TBA

Exercises: **Exercise #10** – Folding Exercise

Day2 ***“LAB – Setup Portfolio”***

Week 10

Day1 ***“LAB – Setup Portfolio”***

Day2 ***“LAB – Setup Portfolio”***