

Course Outline

TEC-D 222 – AutoCAD 3D

Week 1

Day 1

General Introductions:

Class Roster verification, Syllabus, Course Outline, Verification of Student Folders on campus server

Day 2

Basic Fundamentals:

- *Discuss user interface, Menus, Ribbons, Icons, etc.
- *Discuss 3D Views: Isometric (NE, SE, NW, SW) Top, Front, Side, etc.
- *Discuss UCS (User Coordinate System)
- *Discuss VIEWCUBE
- *Discuss Free and Continuous ORBIT
- *Discuss VISUAL STYLES

Week 2

Day 1

Solid Modeling Fundamentals:

- *Discuss SOLID PRIMITIVES: Box, Wedge, Cylinder, Cone, Sphere, Taurus
- *Discuss BOUNDARY and EXTRUDE

*Problems/Graphic Assignments: **20-1 to 20-5**

Day 2

Solid Modeling Fundamentals:

- *Discuss UNION, SUBTRACT, INTERSECTIONS, PRESS-PULL, EXTRUDE EXISTING FACE, REVOLVE, SWEEP, LOFT, HELIX
- *Discuss BOUNDARY and EXTRUDE

*Problems/Graphic Assignments: **20-6 to 20-8**

Week3

Day 1

Solid Modeling Fundamentals:

- *Discuss FILLET, CHAMFER, SLICE, FACETRES, DISPSILH

*Problems/Graphic Assignments: **20-9 to 20-11**

Day 2

LAB DAY:

*Problems/Graphic Assignments: **20-12 to 20-16**

Week 4

Day 1 **HOLIDAY!**

Day 2 **LAB DAY:**
*Work on Mid-Term Project

Week 5

Day 1 **LAB DAY:**
*Work on Mid-Term Project

Day 2 **LAB DAY:**
Mid-Term Project Due!

Week 6

Day 1 **Rendering :Fundamentals:**
*Discuss RENDERING: Materials, Lights, Cameras, etc.
*Problems/Graphic Assignments: **20-17 to 20-18**

Day 2 **LAB DAY:**
*Discuss WALKING & FLYING thru a Model
*Problems/Graphic Assignments: **20-19 to 20-20**

Week 7

Day 1 **Rendering :Fundamentals:**
*Discuss ANIMATING PATH OF CAMERA

Day 2 **LAB DAY:**
*Problems/Graphic Assignments: ***Wrap up all regular assignments!***

Week 8

Day 1 **HOLIDAY!**

Day 2 **LAB DAY:**
*Work on Final Project

Week 9

Day 1 **LAB DAY:**
*Work on Final Project

Day 2 **LAB DAY:**
*Work on Final Project

Week 10

Day 1 **LAB DAY:**
*Work on Final Project

Day 2 **FINAL PROJECT DUE!**