

Three Rivers Community College
CAD 250-251
3D Parametric Modeling
2012 Fall Syllabus
Prof. Ronald Greenier

Office Room C140

Office Hours:

Tuesday 12:00-1:30
5:00-5:30
Thursday 1:00-1:30

Communications:

Phone Number - 860.885.2380

Email Address School - rgreenier@trcc.commnet.edu

Class Hours:

Lecture: 2:30-3:00
Lab: 3:01-4:40

Textbook:

Autodesk Inventor 2012 Essentials Plus
By Banach, Jones, and Kalameja

Grading:

Lecture – 4 Tests = 100%

Lab consists of 13 weekly assignments each week weighted equally 75%
Final Project – Assembly Model 25%

Course Content:

DATE	CONTENT	ASSIGNED READING
8-28-12	Course Introduction Starting Inventor Inventor Menu Structure Inventor Fundamentals Constraints	Introduction Chap.1 Chap. 2
8-30-12	Parametric Sketching Dimensioning a Sketch	Chap. 2
9-04-12	Features - Sketch Planes	Chap. 3
9-06-12	Features-Extrusions	
9-11-12	Features- Sketch Planes	Chap. 3
9-13-12	Features - Revolutions	
9-18-12	TEST 1	Chap. 1-3

9-20-12	Placed Features	Chap. 4
9-25-12	Work Planes	Chap. 4
9-27-12	Work Axes Work Points	
10-02-12	Patterns	Chap. 4
10-04-12	Rectangular/Circular/Path	
10-09-12	Drawing Views	Chap. 5
10-11-12		
10-16-12	Editing Drawing Views	Chap. 5
10-18-12		
10-23-12	TEST 2	Chap. 4-5
10-25-12	Creating Assemblies Top-Down Assemblies	Chap. 6
10-30-12	Bottom-Up Assemblies Combination Assemblies	Chap. 6
11-01-12	Assembly Constraints Subassemblies	Chap. 6
11-06-12	Documenting Assemblies	Chap. 6
11-08-12		
11-13-12	TEST 3	Chap. 6
11-15-12	Advanced Sketching and Constraining Advanced Part Modeling	Chap. 7 Chap. 7
11-20-12	THANKSGIVING BREAK NO CLASSES	
11-22-12	THANKSGIVING BREAK NO CLASSES	
11-27-12	Icomponents and Parameters	Chap. 8
11-29-12		
12-04-12	Final Project	
12-06-12		
12-11-12	TEST 4	Chap. 7-8
12-13-12	Final Project due	

Content material subject to change at the discretion of the instructor.