

Three Rivers Community College  
CAD 250-251  
3D Parametric Modeling  
2011 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
8-30-11	Course Introduction	Introduction
	Starting Inventor	Chap.1
	Inventor Menu Structure	
	Inventor Fundamentals	
	Constraints	Chap. 2
9-01-11	Parametric Sketching	Chap. 2
	Dimensioning a Sketch	
9-06-10	Features - Sketch Planes	Chap. 3
9-08-11	Features-Extrusions	
9-13-11	Features- Sketch Planes	Chap. 3
9-15-11	Features - Revolutions	
9-20-11	TEST 1	Chap. 1-3

9-22-11	Placed Features	Chap. 4
9-27-11	Work Planes	Chap. 4
9-29-11	Work Axes	
	Work Points	
10-04-11	Patterns	Chap. 4
10-06-11	Rectangular/Circular/Path	
10-11-11	Drawing Views	Chap. 5
10-13-11		
10-18-11	Editing Drawing Views	Chap. 5
10-20-11		
<b>10-25-11</b>	<b>TEST 2</b>	<b>Chap. 4-5</b>
10-27-11	Creating Assemblies	Chap. 6
	Top-Down Assemblies	
11-01-11	Bottom-Up Assemblies	Chap. 6
	Combination Assemblies	
11-03-11	Assembly Constraints	Chap. 6
	Subassemblies	
11-08-11	Documenting Assemblies	Chap. 6
11-10-11		
<b>11-15-11</b>	<b>TEST 3</b>	<b>Chap. 6</b>
11-17-11	Advanced Sketching and Constraining	Chap. 7
	Advanced Part Modeling	Chap. 7
<b>11-22-11</b>	<b>THANKSGIVING BREAK NO CLASSES</b>	
<b>11-24-11</b>	<b>THANKSGIVING BREAK NO CLASSES</b>	
11-29-11	Icomponents and Parameters	Chap. 8
12-01-11		
12-06-11	Final Project	
12-08-11		
<b>12-13-11</b>	<b>TEST 4</b>	<b>Chap. 7-8</b>
<b>12-15-11</b>	<b>Final Project due</b>	

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