

Three Rivers Community College  
CAD 250-251  
3D Parametric Modeling  
2010 Fall Syllabus  
Prof. Ronald Greenier

**Office Room C140**

Office Hours:

Monday	12:00-12:50
Tuesday	4:30-5:20
Thursday	1:00-1:50

**Communications:**

Phone Number - 860.885.2380

Email Address School - rgreenier@trcc.commnet.edu

**Class Hours:**

Lecture: 2:30-3:00

Lab: 3:01-4:35

**Textbook:**

Autodesk Inventor 2010 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:**

<b>DATE</b>	<b>CONTENT</b>	<b>ASSIGNED READING</b>
8-26-10	Course Introduction Starting Inventor Inventor Menu Structure Inventor Fundamentals Constraints	Introduction Chap.1    Chap. 2
8-31-10	Parametric Sketching	Chap. 2
9-02-10	Dimensioning a Sketch	
9-07-10	Features - Sketch Planes	Chap. 3
9-09-10	Features-Extrusions	
9-14-10	Features- Sketch Planes	Chap. 3
9-16-10	Features - Revolutions	
<b>9-21-10</b>	<b>TEST 1</b>	<b>Chap. 1-3</b>

9-23-10	Placed Features	Chap. 4
9-28-10	Work Planes	Chap. 4
9-30-10	Work Axes Work Points	
10-05-10	Patterns	Chap. 4
10-07-10	Rectangular/Circular/Path	
10-12-10	Drawing Views	Chap. 5
10-14-10		
10-19-10	Editing Drawing Views	Chap. 5
10-21-10		
<b>10-26-10</b>	<b>TEST 2</b>	<b>Chap. 4-5</b>
10-28-10	Creating Assemblies Top-Down Assemblies	Chap. 6
11-02-10	Bottom-Up Assemblies Combination Assemblies	Chap. 6
11-04-10	Assembly Constraints Subassemblies	Chap. 6
11-09-10	Documenting Assemblies	Chap. 6
11-11-10		
<b>11-16-10</b>	<b>TEST 3</b>	<b>Chap. 6</b>
11-18-10	Advanced Sketching and Constraining Advanced Part Modeling	Chap. 7 Chap. 7
<b>11-23-10</b>	<b>THANKSGIVING BREAK NO CLASSES</b>	
<b>11-25-10</b>	<b>THANKSGIVING BREAK NO CLASSES</b>	
11-30-10	Icomponents and Parameters	Chap. 8
12-02-10		
12-07-10	Final Project	
12-09-10		
<b>12-14-10</b>	<b>TEST 4</b>	<b>Chap. 7-8</b>

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