CADD 32 – PRODUCT MODELING WITH CATIA

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TEXT: www.myigetit.com

UNITS: 2

PREREQUISITE: CADD 31 or equivalent

DESCRIPTION:

This is an (8) week class, with (8) class hours per week – (2) Lecture, (6) Lab hours

The class is designed for users with a basic knowledge of Catia V5. This would include the core functionality of V5: sketcher, part design, and assembly. The advanced topics will be covered in approx. (2) week increments.

TOPICS:

- AVANCED PART DESIGN
- ADVANCED ASSEMBLY
- ADVANCED DRAFTING
- FTA/DMU

ASSIGNMENTS:	**POINT VALUE**
Part Design: 1 - angle bracket; 2 - clamp assembly parts	200
Assembly Design: 1 - clamp assembly; 2 - advanced assembly	400
Drafting: 1 **–**Drawing o Min 3 sheets ▪ Sheet1 - main assembly ▪ Sheet2 - sub assembly ▪ Sheet3 thru 10 - Details o Parts List (ABOM)	200
Model Based Definition (FTA):	100
Digital Mock-Up (DMU):	100
Total	1000

CADD 32 Product Modeling with CATIA SL0 #1
Creating CATIA V5 Complex 3D Solid Models:
Given a fully dimensioned multi-view engineering drawing of a complex machined part, the student will be able to utilize the appropriate functions within the CATIA V5 software to construct a 3D solid model of the part.

CADD 32 Product Modeling with CATIA SL0 #2
Creating CATIA V5 Complex Engineering Drawings:
Given a 3D solid model of a complex machined part, the student will be able to utilize the appropriate functions within the CATIA software to create a fully dimensioned multi-view engineering drawing of the part.

CADD 32 Product Modeling with CATIA SL0 #3
Creating CATIA V5 Complex Assembly Models:
Given a set of 3D solid model s of the component parts of a complex assembly, the student will be able to utilize the appropriate functions within the CATIA software to create a fully constrained assembly model.