

SYLLABUS - CADD 31

COURSE:	CADD 31 --- "Introduction to CATIA V5"
UNITS:	2
HOURS:	Students Will Require Approximately 4-8 Hours per Week to Complete the Coursework The Course Is 16 Weeks Long.
TEXT:	"CATIA V5 Workbook, Release 19" - Cozzens
DESCRIPTION:	CADD 31 is a lecture/lab course which covers the basic skills and knowledge required to use Catia V5 software

Subjects covered in the course include:

CATIA V5 Interface
Use of the Sketcher
Creating and Managing Constraints
Creating and Managing Solid Models
Drafting
Assembly Modeling

GRADING:	ACTIVITY	POINT VALUE
	Workbook Lessons 3-8 (45 Points Each)	270
	6 Solid Models from Handouts (30 Points Each)	180
	4 Drawings from Solid Models (20 Points Each)	80
	3 Assembly Models from Handouts (90 Points Each)	270
	Tests:	
	Midterm Examination	100
	Final Examination	100
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	Total Points	1000

Extra Credit: Extra Solid Models (**2 Maximum**) =25 pts. Each

To receive an "A", you must earn at least 900 points.
To receive a "B", you must earn at least 800 points.
To receive a "C", you must earn at least 700 points.
To receive a "D", you must earn at least 600 points.
You will receive an "F" if you earn less than 600 points.

STUDENT LEARNING OUTCOME:

CADD 31 SLO

Creating CATIA V5 Simple 3D Solid Models:

Given a fully dimensioned multi-view engineering drawing of a 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.

Creating CATIA V5 Simple Engineering Drawings:

Given a 3D solid model of a simple 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.

Creating CATIA V5 Simple Assembly Models:

Given a set of 3D solid models of the component parts of a simple assembly, the student will be able to utilize the appropriate functions within the CATIA software to create a fully constrained assembly model.

DISABILITY STATEMENT:

Students with disabilities who believe they may need accommodations in this class are encouraged to contact the Special Resources Center on campus as soon as possible to ensure such accommodations are implemented in a timely fashion. Please contact me privately to discuss your specific needs.