

San José State University
Aerospace Engineering
AE20 Computer-Aided Design for Aerospace Engineers
Fall 2022



Instructor: Robert Benzio

Office Location: online

Telephone: (408) 2030457

Email: robert.benzio@sjsu.edu

Office Hours: Tuesday or Thursday between lecture and lab & Thursday 4:00-5:30 in lab room
by appointment: please let me know if you are needing to meet with me
lab.

Class Days/Time:	Lecture Section 01	Tues 6:00pm - 6:50pm	Room: Clark 224
	Lab Section 03	Tues 1:30pm– 4:20pm	Room E407
	Lab Section 04	Thurs 7:00pm– 9:50pm	Room: E407
	Lab Section 05	Tues 1:30pm– 4:20pm	Room: E407
	Lab Section 06	Thurs 7:00pm– 9:50pm	Room: E407
	Classroom:	Clark 224	
Prerequisites:	None		

Required Texts/Readings

Textbook

ENGINEERING DRAWING&DESIGNW/CD 6th ed., CENGAGE Learning,
David A. Madsen, David P. Madsen ISBN: 9780357699706

And Other Readings

Approximate Weekly Schedule

Week	Topics
01	Introduction to CAD
02	Creating sketches
03	Creating parts
04	Creating parts continued
05	Creating features
06	Creating features continued
07	Cover basic drafting standards
08	Cover basic drafting standards continued
09	Create drawings
10	Create drawings continued
11	Creating assemblies
12	Creating assemblies continued
13	Creating exploded views
14	Advanced sketching, constraining and modeling techniques
15	Advanced sketching, constraining and modeling techniques
16	Final project due.

Grading Information

Grading:	Homework + Labs	20%
	Project + Presentation	20%
	Midterm Exams	30%
	Final Exam	30%

100–97% A+ 96–93% A 92–90% A- 89–85% B+ 84–80% B 79–76% B- 75–72% C+ 71–68% C 67–64% C- 63–61% D+ 60–57% D 56–53% D- < 53% F. All exams must be taken to receive a passing grade.

University Policies

Per University Policy 16-9, all students are expected to adhere to the University's Code of Student Conduct. The complete Code of Student Conduct is available in the Student Handbook at <http://www.sjsu.edu/handbook>.

AE Department SJSU page can be found at <http://ae.sjsu.edu>.