



87N COURSE STRUCTURE Winter 2016

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I. Method of Instruction:

Modeling and tool path assignments will be made from content covered in video tutorials, book lessons, lectures, and demonstrations. These assignments are expected to be completed before the end of the class meeting for that date.

Laboratory practices will include practice exercises, assigned projects, and directed activities to apply and test the theories proposed in the class lectures, laboratory demonstrations and tutorial assignments.

II. Attendance & Conduct Policy

Attendance at all classes is expected. While the student's attendance record is not part of his/her grade, the workload is designed to make full use of the hours allocated for this class. That is to say, if a student doesn't spend at least 9 hours per week working on the subject matter, he/she cannot expect to finish the assigned work by the end of the quarter. Attendance will be noted once every session. It is the student's responsibility to insure that his/her presence at class is recorded.

NOTE: If you are absent any of the first three class meetings you must email or phone the instructor (408) 864-8283 (office of Mike Appio) or you may be dropped from the class. This procedure is in fairness to those students who are on the waiting list and wish to add the class.

Any student disrupting class may be asked to leave. De Anza College will enforce all procedures set forth in the Student Standards of Conduct and the appropriate remedial and/or disciplinary steps will be taken when violations occur.

IMPORTANT DATES: Such as last day to drop a class without receiving a grade etc., are found at the following URL: <http://www.deanza.edu/calendar/winterdates.html>

III. Student Materials

ESSENTIAL:

1. CamInstructor 4&5 Axis Mill and Lathe (which includes a student version of the software)
2. USB storage device (1 Giga byte minimum)
3. Earphones
4. DMT 87N Supplemental Documents (Provided by the instructor)

OPTIONAL:

Available at hardware/department stores that carry power tools.

1. Industrial Safety Glasses, State approved (these are provided, but you may want your own)

IV. Evaluation of Outcome:

The student's progress is evaluated objectively on the basis of scores from examinations and quizzes covering both laboratory work and lecture material. Three major examinations are given. These examinations combined with quiz scores constitute approximately 50% of the final grade.

Laboratory work constitutes approximately 60% of the final grade.

2 points will be deducted, per class session, from assignments turned in late.



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If the student has never been absent, utilizes all of the class periods, and is within one percent (1%) of the next higher grade; student will receive the higher grade.

NOTE: The following is a tentative list subject to change if needed.

LAB	POINTS POSSIBLE	POINTS EARNED
4 Axis Lesson 1	20	
4 Axis Lesson 2	20	
4 Axis Lesson 3	20	
SUPPL_1	20	
4 Axis Lesson 4	20	
SUPPL_2	20	
4 Axis Lesson 5	20	
SUPPL_3	20	
SUPPL_4	20	
5 Axis Lesson 1	20	
5 Axis Lesson 2	20	
5 Axis Lesson 3	20	
5 Axis Lesson 4	20	
SUPPL_5	20	
5 Axis Lesson 5	20	
SUPPL_6	20	
5 Axis Lesson 6	20	
SUPPL_7	20	
SUPPL_8	20	
Lathe Lesson 2	20	
Lathe Lesson 3	20	
SUPPL_9	20	
Lathe Lesson 4	20	
Lathe Lesson 5	20	
SUPPL_10	20	
Lathe Lesson 8	20	
Lathe Lesson 9	20	
SUPPL_11	20	
Lathe Lesson 10	20	
SUPPL_12	20	
LAB TOTAL:	600	
LECTURE		
Exam 1	100	
Exam 2	100	
Final Exam	200	
LECTURE TOTAL:	400	
LAB & LECTURE TOTAL:	1000	

GRADE DISTRIBUTION:

A+= 97% to 100%	B+= 87% to 89.9%
A = 93% to 96.9%	B = 83% to 86.9%
A- = 90% to 92.9%	B- = 80% to 82.9%



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C+= 77% to 79.9%
C = 70% to 76.9%

D = 60% to 69.9%
F = 59.9% or less



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LECTURE TOPICS Winter-2016

CamInstructor Videos and Text: 4&5 Axis Mill and Lathe

Purchase the book (which includes the student software and a DVD with the videos) from the bookstore.

Department Web Site: www.deanza.edu/dmt

Videos or written lessons are expected to be reviewed prior to the indicated date. Assignments are to be checked off by the instructor on the specified dates.

Note: All quizzes and exams are timed. Access to videos, books, notes, and Google are permitted.

	DATE	LESSON/SUBJECT	ASSIGNMENTS Due
1	1/5	Class Overview	
2	1/7	4 th Axis Lesson 1 4 th Axis Lesson 2	Lesson 1 Lesson 2
3	1/12	4 th Axis Lesson 3	Lesson 3 SUPPL_1
4	1/14	4 th Axis Lesson 4	Lesson 4 SUPPL_2
5	1/19	4 th Axis Lesson 5	Lesson 5 SUPPL_3
6	1/21		SUPPL_4
7	1/26	EXAM 1	
8	1/28	5 Axis Lesson 1	Lesson 1
9	2/2	5 Axis Lesson 2 5 Axis Lesson 3	Lesson 2 Lesson 3
10	2/4	5 Axis Lesson 4	Lesson 4 SUPPL_5
11	2/9	5 Axis Lesson 5	Lesson 5 SUPPL_6
12	2/11	5 Axis Lesson 6	Lesson 6 SUPPL_7
13	2/16	5 Axis Lesson 7 5 Axis Lesson 8	SUPPL_8
14	2/18	EXAM 2	
15	2/23	Lathe Lesson 1 Lathe Lesson 2	Lesson 2

	DATE	LESSON/SUBJECT	ASSIGNMENTS Due
16	2/25	Lathe Lesson 3	Lesson 3 SUPPL_9
17	3/1	Lathe Lesson 4 Lathe Lesson 5	Lesson 4 Lesson 5
18	3/3	Lathe Lesson 6 Lathe Lesson 7	SUPPL_10
19	3/8	Lathe Lesson 8	Lesson 8
20	3/10	Lathe Lesson 9	Lesson 9 SUPPL_11
21	3/15	Lathe Lesson 10	Lesson 10 SUPPL_12
22	3/17	REVIEW FOR EXAM <u>ALL ASSIGNMENTS DUE</u>	
23	3/22	FINAL EXAM	

Please keep a copy of all assignments on your Z drive and on a portable drive.

IMPORTANT DATES such as last day to drop a class without receiving a grade etc., are found in the front section of the current schedule or at the following URL:

<http://www.deanza.edu/calendar/winterdates.html>

MANUFACTURING & DESIGN COUNSELORS:

- Adrienne Pierre call (408)864-8784 for appointment