Course Syllabus

MET1320: Introduction to CNC

Engineering and Industrial Technologies Division

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Class Days: **Class Time:**
Location: Classroom: Laboratory:
Credit Hours: 3 **Contact Hours:** 5 **Lab Hours:** 3 **Lecture Hours:** 2

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Instructor: **Office Location:**
Phone: **Email Address:**
Office Hours:
Division Office/Location: E107 **Division Fax:** (419) 334-2300
Full-time Contact Person: **Phone(s):**

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Course Description:
An introduction to computer numerical control (CNC) practices, equipment, setup and programming. This course will concentrate on both mills and lathes. Manual programming methods will be taught in this course for both types of machines. Students are required to spend time in the lab using their own CNC programs to produce parts on the machines.

Prerequisite(s): MET1130 and MET1140

Co-requisite(s): None

Entry Level Skills and Knowledge: None

Required Texts, Supplies and Equipment:
Softback MET1320 book from bookstore
XXXXX book from bookstore (published book)
Media to save work to such as floppy disks, thumb drives or CD's.
Folder for handouts

Grading:

10 Projects worth 5% each	40% of total grade
1 machined Group Project	5% of total grade
Timed In-Class Midterm Exam	10% of total grade
Timed In-Class Final Exam	15% of total grade

100 to 92 - A
84 to 91 - B
77 to 83 – C
70 to 76 – D
69 or less - F

Learning Outcomes:
General Education

Technical

Assessment of Student Learning:
This course may include a project that is one of several that will be used by faculty to assess student academic performance in the program. A panel of faculty will review all (projects or whatever assessment activity you are doing), then assess and summarize the academic performance of students at this point in the program. The results of this assessment will be shared among the department faculty, used to identify needed changes or improvements, and submitted to the Student Academic Assessment Committee as part of the college's overall student academic assessment effort.

Assessment Project and Measurement in course (if any):

Plan of Work:

Session	Date	Activities
Day 1		Introductions
		Syllabus
		Chapter 1
Day 2		Chapter 2
		Group Project handed out
Day 3		Chapter 3
Day 4		Chapter 4
		Project 1 handed out
Day 5		Chapter 5
		Group Project due
Day 6		Chapter 6
		Project 2 handed out
Day 7		Chapter 7
		Project 1 due
Day 8		Chapter 8
		Project 3 handed out
Day 9		Chapter 9
		Project 1 due
Day 10		Chapter 10
		Project 4 handed out
Day 11		Chapter 11
		Project 2 due
Day 12		Chapter 12
		Project 5 handed out
Day 13		Chapter 13
Day 14		Chapter 14
		Project 3 due
Day 15		Midterm
Day 16		Chapter 15
Day 17		Chapter 16

	Project 6 handed out
	Project 4 due
Day 18	Chapter 17
	Project 7 handed out
Day 19	Chapter 18
Day 20	Chapter 19
	Project 8 handed out
	Project 5 due
Day 21	Chapter 20
Day 22	Chapter 21
Day 23	Chapter 22
	Project 9 handed out
	Project 6 due
Day 24	Chapter 23
	Project 10 handed out
Day 25	Chapter 24
Day 26	Open Lab
	Project 7 due
Day 27	Open Lab
	Project 8 due
Day 28	Open Lab
	Project 9 due
Day 29	Open Lab
	Project 10 due
Day 30	Final Exam

Course Requirements:
The students will be required to complete all assignments on times. Projects received after the deadline date will not receive full credit.

Besides the main drawing disk, each student must keep two separate backup disks with all programming assignments. To complete the course requirements, it may be necessary to turn in one of these disks at the end of the quarter.

Policies

Course Withdrawing: If for any reason you need to withdraw from this course, be certain that you do so according to College procedure. It is your responsibility to know and follow this procedure. If you simply stop coming to class, without officially withdrawing from the course, your grade is an automatic "F." Please follow official College procedure for withdrawing from this or any course.

College Academic Policies are located in the College Catalog. A copy of the current catalog may be picked up in any of the division offices or admissions. The list of college policies is also available online at https://www.terra.edu/register/Collegecat/policies.asp.

Support Services: The College offers a number of support services to assist in your success in this course and all courses. Among these services are the Writing & Math Center in B105, the Office of

Learning Support Services, which coordinates the campus disability services and tutoring programs, the computer labs, and the computers in the atriums.

Any student who feels he/she may need an accommodation based on the documentation of a disability should contact the Office of Learning Support Services privately to discuss his/her specific issues. Please contact the OLSS at (419) 334-8400 X 208 or visit 100 Roy Klay Hall (Building A) to coordinate reasonable accommodations.

If you have a documented disability and are receiving academic accommodations through the Office of Learning Support Services, please schedule a meeting with your instructor in a timely manner so that we may discuss how these services will be arranged.

Tutoring services are available to students beginning the second week of every quarter. Students requesting tutoring services should obtain a tutor request form from the OLSS in 100 Roy Klay Hall (Building A) or online at the Terra website. Please note that instructor verification and acceptance of the Student Learner Agreement is necessary for all tutoring requests. All requests should be submitted to 100 Roy Klay Hall (Building A).