

Form in Folder 8/05/2003

CHESTERFIELD-MARLBORO TECHNICAL COLLEGE
COURSE OUTLINE

COURSE:	PREFIX NO.	EFFECTIVE DATE	NEXT REVIEW DATE		
MTT	112	SPRING 1997	SPRING 1998		
TITLE:	CREDITS		CONTACTS		
MACHINE TOOL THEORY & PRACTICE II	5	3	6	5	

PREREQUISITES: MTT 122 and MTT 123

NOTE: Course may be substituted for MTT 124.

DESCRIPTION: **LEVEL 1:** This course covers practical application of the principles in Machine Tool Theory II.

LEVEL II: In this course the student will use machine attachments to perform advanced operations on machines such as lathes, mills and grinders to make parts.

TEXTBOOK(S) OR ALTERNATIVE: Machine Tool Practices, 5th Edition, Kibbe, Neely, Meyer, White

MATERIALS (specifying those to be purchased by student):
Safety glasses

COLLATERAL READING: Machinist Ready Reference
Machinery's Handbook 24th Edition

CLASS MANAGEMENT ACTIVITIES (Attendance, tardies, testing, etc.):

The student must attend 90% of classes.

Three tardies will constitute one absence.

The student's grade will be determined by the following:

quality of projects (appearance and tolerance)	-	60%
care of machine and tools	-	20%
lab work habits	-	20%
Total	=	100%

RESOURCES (audio-visual materials, tools/equipment):
Machine shop lab

COURSE TOPICAL OUTLINE (List topics and sub-topics of course) and Calendar or approximate length of time devoted to topic.

The student will perform the sequence of operations required for each

project based on the availability of machines.

OBJECTIVES OF COURSE:

To successfully complete this course the student will make the following projects to blueprint specifications:

1. spur gears
2. V-block and clamp
3. toolmaker's vise

INSTRUCTIONAL METHODS TO COMPLETE OBJECTIVES:

Demonstrations on machine tools

EVALUATIVE METHODS TO APPRAISE OBJECTIVES:

Inspection of parts
Observation of work habits
Observation of care of machines and tools