

CASPER COLLEGE COURSE SYLLABUS

Course Number and Title – MCHT 1640-01 BASIC MACHINING PRACTICE

Semester/Year: Fall 2015

Lecture Hours: 4

Lab Hours: 12

Credit Hours: 10

Class Time: 8:00 am -11:50 am
8/24/15- 12/17/15

Days: MTWTH

Room: WT 142/143

Instructor's Name: Mark McCool

Instructor's Contact Information: Office 129A

Office Phone: 307-268-2508

Email:
mccoolm@caspercollege.edu

Office Hours: Monday through Thursday: 7:00am -8:00am
Mondays and Wednesdays: 12:30pm-1:00pm

Course Description: Introduction to bench work and machining processes. Includes instruction on saws, drilling machines, engine lathes, and milling machines.

Statement of Prerequisites: None
(Safety glasses are required.)

Goal: To provide students with a concentrated time period of machining, and instruction to develop in the student proficient machining techniques.

Outcomes:

1. Workplace safety.
2. To introduce the students to hand tools, bench work, and measuring tools.
3. To introduce the students to tooling geometry and cutting speeds and feeds
4. To introduce the students to turning and milling machines.
5. To introduce the students to sawing machines.

Methodology: Four days of lab work with four hours reserved for lecture. Students will be evaluated on the quality and quantity of lab work completed and by four written tests to be spaced throughout the semester.

Evaluation Criteria: Points will be totaled for all course work and the final grade will be determined by a percentage of total points as follows:

90% - above = A
89% - 80% = B
79% - 70% = C
69% - 69% = D
59% - below = F

Required Text, Readings, and Materials:

Precision Machining Technology (Hoffman)

References: Machinery's Handbook, Industrial Press

Class Policies: Last Date to Change to Audit Status or to Withdraw with a W Grade:

Last Date to Change to Audit Status: See current Casper College catalog.

Last Date to Withdraw With a W Grade: See current Casper College catalog.

Student Rights and Responsibilities: Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command: If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head/Program Director, the Dean, and lastly the Vice President for Academic Affairs.

Academic Dishonesty: (Cheating & Plagiarism) Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct for more information on this topic.

Official Means of Communication: Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly.

ADA Accommodations Policy: If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college's Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

Calendar or schedule indicating course content:

Week	Topic
1	Safety, Introduction to hand tools Benchwork Measuring tools
2	Introduction to sawing machines Introduction to tooling geometry Cutting speeds and feeds
3-7	Introduction to drilling and turning machines
8	Mid-Term Testing
9-15	Introduction to milling machines to include: squaring locating vise work direct table clamping
16	Final Testing

Attendance Policy: *Attendance is of utmost importance. Unexcused absences in the excess of 4 will result in the loss of one letter grade. Due to the consideration of the instructor and students, you must be present at the designated starting class time or you will not be allowed to participate unless prior arrangements with the instructor have been made.*