

CASPER COLLEGE COURSE SYLLABUS  
**Course Number and Title**  
MCHT 2650-01 ADVANCED MACHINING PRACTICE

**Semester/Year:** Fall 2015

**Lecture Hours:** 2

**Lab Hours:** 14

**Credit Hours:** 9

**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**

**Office Phone:** 307-268-2508

**Email:**

**Information:** Office WT 129A

mccoolm@caspercollege.edu

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

**Course Description:** Advanced theory and machine operation for second year students.

**Statement of Prerequisites:** MCHT 1650

**Goal:** The student will obtain proficiency in the operation of machine tools.

**Outcomes:** The student will obtain the ability to make quick and accurate decisions in the manufacture of products.

**Methodology:** Four days of lab work with four ours reserved for lecture and written testing.

**Evaluation Criteria:** Students will be evaluated on the quality and quantity of lab work completed and by four to six written tests and a series of practical tests to be completed in the machine shop. 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% - 60% = 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](mailto: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:**

1 – 3

4 - 5

6 - 7

8

9 - 13

12 - 14

15 - 16

**TOPIC:**

Safety Review

Angle plate work on mills

End mill grinding

Surface grinding

**MIDTERM TESTING**

Work on project of choice

Work on project of choice

**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.*