CASPER COLLEGE
COURSE SYLLABUS

COURSE NUMBER & TITLE: MCHT 1640-01 BASIC MACHINING PRACTICE

SEMESTER/YEAR: Fall 2006

LECTURE HOURS: 4    LABORATORY HOURS: 12    CREDITS: 10

CLASS TIME: 8:00 - 11:50 a.m. MTWTH    ROOM: WT 142

INSTRUCTOR'S NAME: James Quigley

INSTRUCTOR'S CONTACT INFORMATION:
Office Location: WT 134
Office Phone: 268-2508
Email: jquigley@caspercollege.edu

OFFICE HOURS: As posted and by appointment

COURSE DESCRIPTION: Introduction to benchwork and machining processes. Includes instruction on saws, drilling machines, engine lathes, and milling machines.

STATEMENT OF PREREQUISITES: None

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

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

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

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.
REQUIRED TEXT, READINGS, MATERIALS:  
Machining Fundamentals
References:  
Machinery's Handbook, Industrial Press

CLASS POLICIES:
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.

SAFETY:  
Personal and equipment safety standards will be strictly enforced.  It is the individual’s responsibility to develop and use a safe work attitude.

STUDENT’S 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 in order to solve the problem.  If you are not satisfied with the solution offered by the instructor, you should then take your problem through the appropriate chain of command starting with the department head, then the division chair, and lastly the vice president for academic affairs.

Academic Dishonesty – Cheating and 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 form school.  See the Casper College Student Code of Conduct.

ADA Accommodations Policy:  
It is the policy of Casper College to provide appropriate accommodations to any student with a documented disability.  If you have a need for accommodation in this course, please make an appointment to the instructor at your earliest convenience.

CALENDAR:

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