COURSE NUMBER & TITLE: MCHT 1620-81 MACHINE TOOL TECHNOLOGY II

SEMESTER/YEAR: Fall 2006

LECTURE HOURS: 1  LABORATORY HOURS: 2  CREDITS: 2

CLASS TIME: 6:00 - 9:00 p.m.  MW  
10/25/06-12/20/06

ROOM: WT 142

INSTRUCTOR’S NAME: James Quigley

OFFICE LOCATION: WT 134
OFFICE PHONE: 268-2508
EMAIL: jquigley@caspercollege.edu

INSTRUCTOR’S CONTACT INFORMATION:

OFFICE HOURS: As posted and by appointment

COURSE DESCRIPTION: A continuation of MCHT 1610 with more complicated operations and in-depth theory including boring, broaching, shaping work and machining procedures.

STATEMENT OF PREREQUISITES: MCHT 1610

GOAL: This course is designed to further the knowledge and experience gained from the first level course, MCHT 1610.

OUTCOMES: At the conclusion of this course the student will have experience in:
1. Inside diameter turning on the lathe.
2. Vertical and horizontal milling machines.
3. Shaper operations.
4. Sequencing operations for machining.

METHODOLOGY: Two lecture/labs per week. Demonstrations coupled with laboratory exercises will comprise the bulk of the class experience.

EVALUATION CRITERIA: Students will be evaluated on the quality of lab work completed and by written tests. Grades will be totaled for all course work and the final grade will be determined by an average of total grades. Tests will be graded on a percentage basis.

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<td>90% &amp; above</td>
<td>A</td>
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<td>80% - 89%</td>
<td>B</td>
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<td>70% - 79%</td>
<td>C</td>
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<td>60% - 69%</td>
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<td>59% &amp; below</td>
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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: No text will be required at this time.

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.

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 from 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 OR SCHEDULE:

**TOPIC OUTLINE**

1. Introduction and outline of requirements of the class.
2. Lecture and demonstrations on boring on the lathe and taper attachment.
3. Lecture and demonstration on milling machine