CASPER COLLEGE COURSE SYLLABUS

Course Number and Title – MCHT 1570-01  Machine Trades Computations

Semester/Year: Spring 2016

Lecture Hours: 2  Lab Hours: 0  Credit Hours: 2

Class Time: 1:00 - 1:50 p.m.  Days: T TH
1/19/16 – 5/10/16  Room: WT 143

Instructor’s Name: Mark McCool

Instructor's Contact
Information: Office Location: 268-2508  Email: mccoolm@caspercollege.edu
WT 129A

Office Hours: Mondays thru Thursdays: 7:00 a.m. – 8:00 a.m.
Mondays and Wednesdays: 12:30 p.m. – 1:00 p.m.

Course Description: Practical application of mathematical problems and formulas directly related to the machine shop.

Statement of Prerequisites: None

Goal: For the student to obtain a basic understanding of mathematical requirements as used in the machine shop.

Outcomes: Students will obtain a working knowledge of mathematics, formulas, and practical knowledge used in the Machine Tool Industry on a daily basis.

1. Solve problems using critical thinking and creativity
2. Demonstrate effective oral and written communication

Methodology: Lecture

Evaluation Criteria: There will be eleven section tests that the final grade will be based upon. Before each test, homework must be checked and evaluated by the instructor. Homework will be evaluated as either OK or REDO. 80% of the homework must be correct to receive an OK and to then take the test.

Attendance policy: Attendance is of the 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 time of the class or you will not be allowed to participate, unless prior arrangements have been made with the instructor.

GRADING SCALE: 100-90 average on 10 tests = A
89-80 average on 9 tests = B
79-70 average on 7 tests = C
69-60 average on 5 tests = D
60- below average on less than 5 tests = F
Late assigned homework will result in one letter grade.

Required Text, Readings, and Materials:
Class Policies:

Last Date to Change to Audit Status or 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 of course content:
   Week 1: Whole numbers
   Week 2: Common fractions
   Week 3: Decimal fractions
   Week 4: Direct measure
   Week 5: Computed measure
   Week 6: Percent and graphs
   Week 7: Ratio and proportion
   Week 8: Shop formulas
   Week 9: Powers, roots, and equations
   Week 10: Geometric forms and construction
   Week 11: Trigonometry