COURSE NUMBER & TITLE: MATH 1400-04 *Pre-Calculus Algebra*

SEMESTER: Fall 2006

LECTURE HOURS: 4 CREDIT HOURS: 4

CLASS TIME: 1 – 1:50 a.m. DAYS: M WThF ROOM: PS 117

INSTRUCTOR’S NAME: Tracey Hollister

E-MAIL: thollister@caspercollege.edu

INSTRUCTOR’S OFFICE: PS 129 PHONE: 268-2545

**OFFICE HOURS:**

<table>
<thead>
<tr>
<th>Mon</th>
<th>Tues</th>
<th>Wed</th>
<th>Thurs</th>
<th>Fri</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00-2:50</td>
<td>10:00-11:45</td>
<td>9:00-9:50</td>
<td>12:00-12:50</td>
<td>10:00-10:50</td>
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**** OR just stop by, I am usually there if I am not teaching.***

*If one of the times listed below does not fit your schedule please let me know and WE can schedule a different time.*

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Course Description:

Elementary functions and graphing for mathematics, science, business, and engineering majors preparing for the regular calculus sequence.

Statement of Prerequisites:

A grade of “C” or better in DVST 0930 or an ACT Composite score of 23 or better, or the appropriate COMPASS exam score within the past year.

General Objectives:

- **Chapter 1:** Graphs
- **Chapter 2:** Functions and their graphs
- **Chapter 3:** Polynomial and Rational Functions
- **Chapter 4:** Exponential and Logarithmic Functions

Specific Objectives:

Students will learn about polynomial functions, rational functions, exponential functions, logarithmic functions, and systems of equations and inequalities. Graphing calculators will be used for concepts involving graphing, exploring, solving problems, predicting and interpreting data.

MATERIALS NEEDED:


Calculator: Preferably a TI-83, TI-83+ or TI 84
**METHODOLOGY:** (Please turn OFF all cell phones, pagers, beepers, etc…) 
The first item of discussion in class will be to go over any questions you might have. There is no such thing as a stupid question. However, there is such a thing as an ill prepared question so PLEASE, PLEASE, PLEASE, **PREPARE yourself** and THEN ask questions. I will give you ample opportunity to ask questions so **be prepared!**

***You are responsible for everything taught in class whether present or not. I recommend that you study with the intent to **UNDERSTAND** and not to just ‘get by.’***

**EVALUATION CRITERIA:**

**PRACTICE i.e. HOMEWORK:** Homework will be assigned daily but not necessarily collected daily. Assignments are due the next class day, following questions. Remember you are in college and it is your **RESPONSIBILITY** to complete the homework, whether or not, I collect it.

***If you find yourself having more than 3 questions on your homework assignment, PLEASE visit my office before the next class so we can get them taken care of. I am here as your guide and helper.***

Each **collected** practice assignment will be worth 5 points or more. It will be required that all HW be completed on graph paper. **HOMEWORK MUST BE NEAT WITH ALL YOUR WORK SHOWN!!** HW that is not neat/organized will receive an automatic zero.

**TESTS:** There will be approximately after 4-5 exams. The will be announced at least a week in advance.

**PARTICIPATION:** It has been my experience that attendance is extremely important in college as well as life, therefore I take attendance everyday. You will receive an attendance grade at the end of the semester.

**ABSENCE:** If you are absent it is **YOUR RESPONSIBILITY** to get the notes, assignment and learn the material from that day.

**MAKE-UP TESTS & HW:**

**DNE = DO NOT EXIST!!!**

****NOTE REGARDING HW**** I understand that there are some circumstances beyond your control that may happen during the semester, therefore…

**HW:** I will allow **five** *‘late’* HW assignments throughout the semester. *Late = later in the day / night. You have until the security guard locks the door (the day it is due) to slip your HW under my office door.*

**Tests:** At the end of the semester if your final exam grade is higher than a previous test grade then I will replace your lowest test grade with your final exam score.
***Grades are determined by:***

\[
\text{YOUR} \div \text{POINTS} = \frac{\text{YOUR} - \text{POINTS}}{\text{TOTAL} - \text{POINTS} - \text{IN} - \text{CLASS}}
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What if I need HELP ???

We have a variety of resources on campus:

1. Come to me – ask me any question or stop by just to chat 😊
2. Go to the **Math Learning Center in PS 104**. We are fortunate to have this resource available to us. The MLC has student helpers, staff, videos, extra books, and computers to accommodate any learning style and need. Use this!
3. Tutors. We also have many tutors available on campus. Let me know and I can help.
4. Ask a friend. Sometimes someone in class can explain it better or in a different way.
5. Go to a past instructor. We all welcome familiar faces.

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“My will shall shape my future. Whether I fail or succeed shall be no man’s doing but my own.”

- Elaine Maxwell

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**LAST DATE TO WITHDRAW WITH A ‘W’ GRADE:**

**November 3, 2006**

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