Math 219 – Pre-Calculus

Cañada College . Spring 2010

Class Hours and Location:	Monday through Thursday from 12:35 to 1:45 p.m. in 17 – 103 *and 16 hours in the Learning Center by arrangement*
Required Materials:	Text: *Functions Modeling Change, Third Edition* by Connally, Hughes-Hallett, Gleason, et al. Calculator: A graphing calculator such as TI-83, TI-84, or TI-89.
Prerequisite:	Math 130 with a grade of C or better or appropriate score on the college placement test
Instructor:	Denise Hum Email: humd@smccd.edu (preferred) Voicemail: (650) 306 – 3351 Office: 16 – 109 Website: http://www.smccd.net/accounts/humd
Office Hours:	Monday through Thursday from 2:00- 3:00 pm in the Math Lab and by appointment
Free Math Tutoring On Campus:	The Learning Center on the 2nd floor of Building 9 has free drop-in tutoring in the Math Lab. You can also make an appointment for one-on-one tutoring at the Tutorial Center.
Class Website:	http://www.smccd.net/accounts/humd/spring2010/math219 Check the website regularly for class handouts, announcements, and important dates

Course Description

Unification of college algebra and analytical trigonometry based on the function concept. Topics include: properties of the real number system, inequalities, theory of equations, complex numbers, logarithmic and exponential functions, matrices, binomial theorem, sequences, and inverse functions.

Student Learning Outcomes include the following:

1. Recognize and classify a function from an equation, graph, or table
2. Identify and apply transformations to functions and graphs, including vertical and horizontal shifts, reflections, and scaling.
3. Describe the short run and long run behavior of polynomial and Rational functions.

Grading Policy & Course Requirements

A: 90% - 100%; B: 80% - 89%; C: 70% - 79%; D: 60% - 69%; F: under 59%

Homework:	10%	Function Library:	5%
HBA in the Learning Center:	5%	Tests:	50%
Mastery Quizzes:	10%	Final Exam:	20%

- *Homework* – Homework makes up 10% of your grade. You will be assigned homework each class period and it will be due every Tuesday and Thursday at the beginning of class. It is by reading the textbook and working through problems that you will be able to understand and master the methods, applications, and computations required for this course.
  Homework should have your name and assignment number in the top right hand corner. It should also be **legible, collated, and stapled** on the upper left hand corner. Please show all of your own work for full credit and circle your answers. I will drop your lowest homework score.
  You will receive two homework coupons good for turning in two homework assignments late without penalty. Attach one to each late assignment that you wish to be graded. No other late homework will be accepted.
- *HBA in the Learning Center* – As a part of this course, you will need to complete worksheets and/or activities in the Math Lab and log in for at least 16 hours. Hours by arrangement will count for 5% of your grade. No late work will be accepted, but you can turn them in early.
- *Mastery Quizzes* – Mastery quizzes make up 10% of your grade and will be given every Thursday at the beginning of class. You must score at least 80% on a quiz to pass and no partial credit will be given. If you do not pass, you will receive a 0% for the quiz, if you pass, your score will be 100%. You will be allowed unlimited tries on mastery quizzes, but you must schedule them with me in advance and take them during office hours.
- *Function Library* – More details will be given at a later date. The function library is to be worked on all semester and is worth 5% of your grade.
- *Tests* – Four midterm exams will be given, each worth 12.5% of your grade. If your lowest midterm exam score is lower than your final exam score, then that midterm exam score will be replaced by your final exam score. No makeup tests will be given.

- *Final Exam* – A comprehensive final exam worth 20% of your grade will be given on ***Wednesday, May 26 from 2:10- 4:40 p.m.*** The final exam is mandatory, and you must take it at this time.

Policies

- *Classroom Conduct* – Be polite and be respectful to everyone in the class. Please do not talk or be loud when it is not appropriate. Cell phones must be *silent* and mp3 players must be turned off and put away. Cell phone use during an exam or quiz will result in a 0. Use of electronic devices with the exception of calculators is prohibited during class time. Any use of electronic devices during class – this includes text messaging – will result in you being asked to leave class for the day.
- *Attendance* – You should plan on arriving to class on time and staying for the duration of the class. If you arrive late or need to leave early, please do so quietly as to not disrupt the class. If you must be absent, please notify me *in advance*. It is your responsibility to obtain the class notes and assignments from another student so you can catch up. Attendance will be taken daily.
- *Cheating* – Do not cheat. For example, do not talk to or consult other students, share calculators or use disallowed materials during an exam or quiz. If you are caught cheating or helping someone cheat, you will receive a 0 for that activity and an Academic Integrity Violation Report will be filed. If you are unsure of what constitutes cheating, see http://www.canadacollege.edu/inside/acad_integrity
- *Adding & Dropping* – Please make sure to add or drop yourself from this class. If you stop coming to class, it is your responsibility to drop yourself, otherwise you will receive an "F" for the course. Students who miss more than four class periods may be dropped from the course.

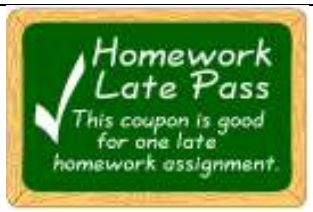
Resources

I encourage you to form study groups to do homework and study outside of class. You can also come see me and ask questions during my office hours. In addition, the Learning Center on the 2nd floor of Building 9 has free math tutoring. The class website also has links to some math websites that I have found to be very helpful.

If you have a disability which may require classroom or test accommodations, please contact Disabled Students Programs and Services (DSPS) in Building 5, Room 207 or call DSPS at 650-306-3259.

Important Dates

January 19	First day of class
February 1	Last day to add
February 15	No classes (holiday)
February 16	Last day to drop without a "W"
March 11 & 12	No classes (Flex day)
April 5-8	No classes (Spring break)
April 29	Last day to withdraw with a "W"
May 20	Last day of class
May 26	**Final Exam at 2:10 p.m.**



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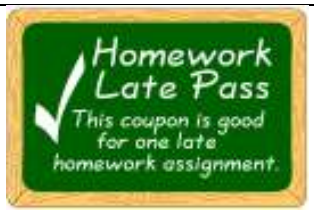

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