Math 150 **Functions, Trigonometry, and Linear Systems** **Fall 2008**

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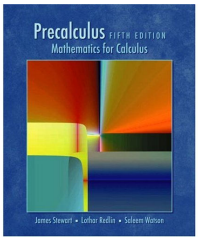
Office Phone #: 845-1170
Office Hours: 10:30 am - 12:30 pm TR; 2:15 - 3:30 pm T
AND by appointment

Class Times & Locations:			
MATH 150-519-524	**TR**	**8:00-9:15**	**HRBB 124**
MATH 366-502	**TR**	**12:45-2:00**	**BLOC 120**
MATH 403-502	**TR**	**3:55-5:10**	**BLOC 156/SCC 102B**



Text: Stewart/Redlin/Watson, *Precalculus: Mathematics for Calculus, 5th edition,* Brooks/Cole, 2006. ISBN 0-534-49277-0

Text available at http://tamumath.ichaptersbuy.com both hard copy and electronic versions
Paperback ISBN: 0-495-55750-1

Online course: http://webalg.math.tamu.edu/mindex.htm

Additional Requirement: TI-83/84 or TI Nspire (nonCAS) calculator is required, although it will not be allowed for some assignments.

Catalog Description: Math 150: Functions, Trigonometry, and Linear Systems (Credit 4). Graphs, functions, college algebra and trigonometry, linear systems and vectors. Prerequisite: None

Suggested Homework:
Math cannot be learned by watching someone else do math. It requires a lot of practice. I STRONGLY suggest that you do these problems for more practice. They will not be collected, but doing them to help you learn the material is very important. I recommend that you keep a spiral in which you work the problems from the suggested homework list with section, page and date clearly marked. *It is imperative that you work at least the suggested problems in order to be fully prepared for quizzes and exams. More practice may be necessary for you to be successful.*

Quizzes: There will be unannounced quizzes given in class and/or recitation. Quizzes cannot be made up without an official university excuse.

Recitation: Recitation sessions are led by a teaching assistant and meet weekly at different times depending on your section. You **must** attend the recitation for which you are registered. The TA will answer questions, review material, and give weekly quizzes.

519	M 8-8:50 am	CE 134	521	M 9:10-10:00 am	CE 136	523	M 3:00-3:50 pm	CE 134
520	W 8:00-8:50 am	CE 134	522	W 9:10-10:00 am	ZACH 128D	524	W 3:00-3:50 pm	CE 134

Graded Homework: Graded homework assignments will be done online on the CENGAGE website at www.ilrn.com. At least one homework grade will be dropped.

Exams: There will be 3 exams, the dates of which will be announced in class. You **must** bring your student ID to each exam.

FINAL EXAM: The final exam is **COMPREHENSIVE**.

FINAL EXAM Schedule: Section 502 is on Monday, December 8th 1 – 3 PM

Grades:

Major Exams (3)	50%
Final Exam	25%
Quizzes/Activities/Projects	25%

Final letter grades will be assigned as follows:

90 – 100%	A
80 – 89%	B
70 – 79%	C
60 – 69%	D
< 60%	F

Note: This class covers a lot of material and moves quickly. It is ***very*** important that you keep up with the suggested homework and do not fall behind. Please don't hesitate to ask questions in class, to come to my office hours, or to send me an e-mail. My goal is not to cram information into your head, but to help you learn. If you do not understand the concepts, please ask for help. Do not wait until the day before an exam to try to grasp the material. There are week-in-reviews and help sessions regularly, as well as streaming videos and other materials online. Take advantage of these resources.
Policies: Policies pertaining to absences, scholastic dishonesty, and final exams are identical to TAMU regulations.

- **You are responsible for checking your TAMU email account.**
- Attendance is expected and will be used in conjunction with your final exam grade as a *consideration* in a case of borderline grades. Attendance means active class participation, not just showing up and sitting in the classroom.
- If you disagree with any deduction taken on your homework, quizzes or exams, you must bring it to my attention before your next class to be re-graded.
- Students with an official excused absence are permitted to make up work only for the dates of the absence. No make-up exams or quizzes will be given without a university-approved excuse. In the case of illness, a student MUST contact me within TWO working days and present a valid doctor's excuse before the make-up will be given.
- **SCHOLASTIC DISHONESTY**
    - **An Aggie does not lie, cheat, or steal, or tolerate those who do.**
    - For additional information on the Honor Council Rules and Procedures consult http://www.tamu.edu/aggiehonor/

A.D.A. Policy Statement: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services in Cain Hall, Room B118, or call 845-1637. For additional information visit http://disability.tamu.edu

Personal Request: As a courtesy to me and all of the students in your class, please keep all cell phones muted during class and refrain from discussion not related to class. Thanks ☺

Tentative Calendar of Topics:

Week	Topic(s)	Online Sections	Textbook Sections
1	Real Numbers, Exponents and Radicals, Polynomials, Rational Expressions	Intro, 1a - 1d	Intro, 1.1-1.4
2	Solving Equations, Solving Inequalities, Rectangular Coordinate Systems, Graphs of Equations	2a – 2b; 3a – 3b	1.5-1.9
3	Linear Equations and Inequalities in Two Variables, Intro to Functions, Graphs of Functions, Transformations of Functions	3c; 4a – 4c	1.10; 2.1-2.4
4	Average Rate of Change, Maximum/Minimum Functions Values, Combinations of Functions, Inverses of Functions	4d – 4f	2.5-2.8
5	Review; Exam 1	Review; Exam 1	2.8; Review; Exam 1
6	Polynomials Functions and Their Graphs, Complex Numbers, Rational Functions	5c; 1e; 5d	3.1-3.2; 3.4; 3.6
7	Exponential and Logarithmic Functions, Exponential and Logarithmic Equations	5.e – 5.f; 6a	4.1-4.4
8	Applications of Exponentials and Logarithms, The Unit Circle, Trig Functions, Trig Graphs		4.5; 5.1-5.4
9	Review; Exam 2	Review; Exam 2	5.4; Review; Exam 2
10	Angle Measure; Right Triangle Trigonometry, Trig Functions of Angles, Law of Sines	9.1, TBD	6.1-6.4
11	Law of Cosines, Proving Trig Identities, More Trig Identities (sum/difference, double-angle, half-angle)	9.2, TBD	6.5; 7.1-7.3
12	Inverse Trig Functions, Trig Equations, Vectors, Dot Product	TBD; 10.1-10.6	7.4-7.5; 8.4-8.5
13	Exam 3	Exam 3	Exam 3
14	Systems of Equations; Conic Sections		9.1; 10.1-10.3
15	Final Review	Final Review	Final Review

Additional Resources:
Week-in-Review **Monday nights 8:00-10:00 pm Blocker 158** (see link on webpage)
Help Sessions (see link on webpage)