

MATH 1325-521, SUMMER 2005
TR 8:00-9:50AM
GR 3.420

Instructor: Dr. Bentley Garrett
Office: ECN 3.204
Phone: 972-883-4236
E-mail: Via WebCT (see section below)*
Snailmailbox: EC 3.214 (Lynne Asher's office)
Office hours: TR 5:00-5:45 PM

Text: *Calculus with Applications*, 8th Edition, Lial, Greenwell and Miller
(Student Solutions Manual is recommended)

Sections covered: 2.2-2.6, 3.1-3.5, 4.1-4.5, 5.1-5.4, 6.1-6.6, 7.1-7.5(time permitting)

Grading:

Quiz Average	10%
Exam Average	60% (20% each)
Final Exam (comprehensive)	30%

(6:00pm, Tuesday, July 26, 2005)

There will be three (3) Midterm Exams as well as weekly Quizzes. **I will drop the lowest of the 3 exam grades.** I will also drop the lowest one fourth of the Quiz grades given before computing your Quiz Average.

Example grades: Quizzes: 66, 70, 50, 100, 90, 80, 75, 75 (if eight Quizzes given)
Exam1: 75, Exam 2: 86, Exam3: 70, Final: 88
Quiz Average: $(100 + 90 + 80 + 75 + 75 + 70)/6 = 81.7$ (drop two lowest)
Exam Average: $(75 + 86)/2 = 80.5$ (drop lowest)
Final grade: $.1*81.7 + .6*80.5 + .3*88 = 82.87$

Grade Scale:	A+	96.5-100	C+	76.5-79.4
	A	92.5-96.4	C	72.5-76.4
	A-	89.5-92.4	C-	69.5-72.4
	B+	86.5-89.4	D+	66.5-69.4
	B	82.5-86.4	D	62.5-66.4
	B-	79.5-82.4	D-	59.5-62.4
			F	below 59.5

Class policies:

- Exams must be taken in pencil. It is preferable that quizzes be taken in pencil as well.
- No make-up exams are given except under extraordinary circumstances. Solutions will be available on WebCT. (see end of syllabus)
- **There will be short weekly quizzes based on the assigned homework. These will be given each Tuesday and will cover the previous week's homework. (No quizzes will be given during exam weeks.)** The number of quizzes given in the semester is dependent on the time factor. Solutions will be available on WebCT. (see end of syllabus)

- Homework will be assigned but not graded. However, it is essential that you work all problems thoroughly in order to succeed in this class. It is okay to discuss the problems with classmates, but make sure you can work them by yourself after you discuss.
- I am always looking for a solution – not the answer. In other words, I want to see all steps leading to the answer. Answers without any logical support will receive very little, if any, credit.
- It is essential that you attend all lectures to be successful in this class.
- All phones and pagers must be turned off during class.

Calculators: No graphing calculators are allowed – only scientific calculators, where appropriate. If you don't have a scientific calculator, borrow one for the semester or buy one – they are inexpensive.

Exam dates: Exam1 – June 7, 2005

Exam2 – June 28, 2005

Exam3 – July 19, 2005

Final Exam – Tuesday, July 26, 6:00-8:45am

Last drop day without a W – May 26

Withdrawal period with W: May 27-June12

Withdrawal period with WF/WP: June 13 – July 11

(Note: Exam dates are fixed, except under unusual circumstances.)

Tentative class schedule:

DATE	SECTIONS COVERED
May 17 T	Pretest, Quadratic functions: Translation and Reflection
19 R	Exponential Functions, Logarithmic Functions
24 T	Limits
26 R	Continuity, Rates of Change
31 T	Definition of the Derivative
June 2 R	Graphical Differentiation, Techniques of Finding Derivatives
7 T	Exam 1 , Derivatives of Products and Quotients
9 R	The Chain Rule, Derivatives of Exponential Functions
14 T	Derivatives of Logarithmic Functions
16 R	Increasing and Decreasing Functions, Relative Extrema
21 T	Higher Derivatives, Concavity, and the Second Derivative Test
23 R	Curve Sketching, Absolute Extrema
28 T	Exam 2 , Applications of Extrema
30 R	Further Business Applications, Implicit Differentiation
July 5 T	Related Rates
7 R	Differentials: Linear Approximation, Antiderivatives
12 T	Substitution
14 R	Area and the Definite Integral, Fundamental Thm. Of Calculus
19 T	Exam 3 , Area Between Curves
21 R	Area Between Curves, Review
July 26 T	Final Exam (6:00-8:45pm)

Additional help:

UTD Math Lab: located in McDermott Library in Room 2.412 (phone: 972-883-6707)
The hours are 10am until 8pm, Monday through Thursday. On Friday and Saturday the hours are 10am until 2pm. The Math Lab provides free walk-in tutoring for students.

Disability Services: contact Kerry Tate at 972-883-2098.

Online resources:

*WebCT: <http://webct.utdallas.edu> You must enter your NETID username and password to logon to WebCT. Here, you will find the syllabus, problem sets, quiz/test solutions. Any messages/e-mails concerning the class will also appear on WebCT. This is also where you should contact me.

To retrieve your NETID: go to <https://netid.utdallas.edu>, then click on the link that says “[Get your NetID and set your password](#)” to get your netid.