

MATH1190.002: BUSINESS CALCULUS

Syllabus for Summer 2011 (Jun 6-July 8)

INSTRUCTOR: Koshal Dahal	OFFICE: GAB 441 (with Window-Nepal) Personal Site: www.math.unt.edu/~koshal						
OFFICE HOURS:- M/T/W/Th: 12:00-1:00pm & by appointment.	CLASS MEETS: M/T/W/Th, 10:00-11:50am, @ GAB 317						
EMAIL: koshaldahal@my.unt.edu For emergencies, not in lieu of attendance. Allow two (2) business days for reply. Include course name, number and section and your full name in the subject header. Email without this information may not get opened.	MATH LAB: GAB 440 (Opposite to my office) Web site: www.math.unt.edu/mathlab Go to Website for hours of operation.						
FINAL EXAM DATE AND TIME: Friday July 8 , 10-11:50am							
COURSE DESCRIPTION: 3 hours. Differential and integral calculus with emphasis on applications to business. Prerequisite(s): two years of high school algebra and consent of department; or MATH 1100 with a grade of C or better. Satisfies the Mathematics requirement of the University Core Curriculum.							
TEXTBOOK: <u>Calculus and Its Applications, 9th Bittinger and Ellenbogen.</u>							
ONLINE TUTORING: www.unt.edu/lc , and select the online tutoring button located in the left column of the page. The link will direct you to www.smarthinking.com .							
GRAPHING CALCULATOR: TI 83, TI 83 Plus, TI 84, TI 84 Plus or equivalent. TI 89's, TI 92'2 or any other utility with alphanumeric capabilities ARE NOT permitted. A calculator may NOT be shared during an exam.							
ATTENDANCE POLICY: Class attendance is mandatory. Students are responsible for all information given in class, regardless of his/her attendance. Starting Friday, June 17 , students may be administratively dropped from the course for nonattendance with a grade of "WF". The last day a student may be dropped for nonattendance is Wednesday, June 29 . The Two (2) or more absences constitute nonattendance.							
ACADEMIC DISHONESTY: Refer to the following university site for the official policy with regards to academic dishonesty. The web site is: http://vpaa.unt.edu/academic-integrity.htm .							
EVALUATION:- <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">Average of 3 in-class exams</td> <td style="text-align: right;">60%</td> </tr> <tr> <td>Homework</td> <td style="text-align: right;">20%</td> </tr> <tr> <td>Final Exam</td> <td style="text-align: right;">20%</td> </tr> </table>	Average of 3 in-class exams	60%	Homework	20%	Final Exam	20%	GRADE ASSIGNMENT: A: [90%, ∞); B: [80%, 90%); C: [70%, 80%); D: [60%, 70%); F: [0%, 60%). Note: 59% is an F.
Average of 3 in-class exams	60%						
Homework	20%						
Final Exam	20%						
Your grade is determined solely by your performance on the evaluation criteria and the grade assignments listed above. Please "Expect NO extra credit" .							
FINAL GRADE: Students may access their course grades online at: my.unt.edu . Your final course grade is determined by the criteria explicitly stated on this syllabus.							

DISABILITY ACCOMMODATIONS:

It is the responsibility of students with certified disabilities to provide the instructor with appropriate documentation from the Dean of Students Office.

NOTES:-

- 1) **This syllabus is subject to change as the instructor deems necessary.** Any/all changes will be announced during regular class time. It is the responsibility of the student to attend each scheduled class to be informed of these changes.
- 2) You are responsible for meeting all university deadlines, such as: registration, fee payment, drop deadlines, etc. Refer to the University Catalog for policies and dates:
<http://essc.unt.edu/registrar/schedule/summer/calendar.html>

Summary of Key Dates for Spring 2011:

June 6, Monday

Classes begin.

June 9, Thursday

5W1 Census date

June 10, Friday

Beginning this date, a student who wishes to drop a course for 5W1 must first receive written consent of the instructor. An automatic grade of W is assigned.

June 16, Thursday

Last day to drop a course or withdraw from the 5W1 session with grade of W for courses that a student is not passing. After this date, a grade of WF for 5W1 may be recorded.

June 17, Friday

Beginning this date, instructor may drop students with grade of WF for nonattendance for 5W1 session.

June 21, Tuesday

5W1 mid semester

June 29, Wednesday

Last day to drop a course with consent of the instructor for 5W1. Last day for an instructor to drop a student with a grade of WF for non-attendance for 5W1 session. Last day to withdraw from 5W1 session.

June 30, Thursday

Beginning this date a student who qualifies may request a grade of I for 5W1 session.

July 4, Monday

UNT closed in observance of Independence Day.

July 8, Friday

Finals for 5W1 session, 5W1 session ends.

Academic Dishonesty:

Cheating on final exams, on in-class tests/quizzes are a serious breach of academic standards and will be

punished severely and generally result in a student failing the course. All work done on in-class exams and quizzes must represent only the student's own work, unless otherwise stated in the directions. See <http://vpaa.unt.edu/academic-integrity.htm> for details on academic integrity at UNT.

Attendance:

Class attendance is mandatory. Missing any portion of class may be counted as an absence. **My email may NOT be used in lieu of attendance.** Students are responsible for all information given in class, regardless of his/her attendance. This includes knowing exam dates and homework assignments. If you miss a class, it is your responsibility to learn of all the important stuff you missed. Exchange contact information with several members of your class; so that you will have multiple sources contact in case of a personal emergency.

Classroom Etiquette:

Appropriate behavior is expected of all students taking this course. **Arrive to class promptly and do not leave until the scheduled ending time of the class.** If you must arrive late or leave early, please do so as discreetly as possible and take a seat near the door. **Turn off** all non-medical electronic devices such as pagers, cell phones, laptops, etc. Take off the headphones. Do not read newspaper or work on unrelated assignments during class. I prefer that you not eat during class.

Course Objectives:

Upon successful completion of this course, the student will be able to apply arithmetic, algebraic and higher-order thinking skills as they apply to solving business and economics applications problems that involve calculus: differentiation and integration.

Specifically, the student will

- Be able to apply appropriate differentiation techniques to obtain derivatives of various Functions, including logarithmic and exponential functions
- Be able to solve application problems involving implicit differentiation and related rates
- Be able to solve optimization problems with emphasis on real-world business applications
- Be able to obtain integrals of various functions, including use of integration by substitution and by parts.
- Be able to solve real-world economics and business applications problems using integration techniques

Drop Policy:

If the student is unable to complete this course, it is his/her responsibility to formally withdraw from the course. The student may do so through the Registrar's Office after obtaining the necessary signatures. Consents for withdrawal and all necessary signatures may be obtained in the Math Department Office, GAB 435. **The last day to drop a class with an automatic "W" is Thursday, June 16. The last day to drop a class with the consent of instructor with "W" or "WF" is Wednesday, June 29.** "WF" is averaged into your GPA as an "F." If the student does not properly withdraw from the course but stops attending, s/he will receive a performance grade, usually an F.

Exams:

Three in-class exams are planned for this semester. Count your points on exams to be sure the totals are correct. Keep a record of all your scores. If you think that your work has been graded incorrectly, ask for a re-grade immediately after receiving the exam back. Your entire exam will then be re-graded, but be advised that you may lose points or gain points on any problem while re-grading, including but not limited to the problem you ask about. Each exam is evaluated at **20%** of the course grade.

Content and dates are tentatively scheduled as follows:

EXAM 1: Chapter R, 1.1 – 1.4 – (Week of Monday June. 13)

EXAM 2: Chap: 1.5 – 1.8, Chapter 2 as presented in class, 3.1, 3.2 – (Week of Monday June 20)

EXAM 3: Chap: 3.4 – 3.6, and Chap: 4.1-4.3 – (Week of Monday June 27)

The final exam will include this material as well as whole Chapter 4 and sections 5.1 and 5.2.

Exam Etiquette:

- Place all papers, textbook, notes, etc. in a backpack or a book bag and close it securely.
- Turn off all electronic devices (unless medically necessary), this includes cell phones, pagers, etc.
- Handling of ANY such electronic devices during an exam will be construed as cheating (receiving unauthorized aid) and may result in a zero for that exam.
- Do not wear HATS or CAPS during exams.
- Do not share any materials during an exam. This includes, but is not limited to pencils, erasers, calculators, etc.
- Only approved calculators during an exam. You may have both a scientific and a graphing calculator. It is your responsibility to know how to work the calculator(s) you bring to a test.
- Have only the exam, pencil, eraser and calculator out during an exam. Plenty of work-space is provided on the actual exam. You will not be permitted to have any scratch paper during an exam.

Final Exam: Friday July 8, 10am-11:50am

Your final exam will be administered in our regular classroom. It is scheduled on Friday July 8, 10am-11:50am. See <http://essc.unt.edu/registrar/schedule/summer/final.html> for UNT Summer 2011 final exams schedule. **The final exam is comprehensive and is 20% of the course grade.**

Grade Assignment:

The student course grade is assigned according to the evaluation criteria and grading assignment stated on this syllabus. The grade is completely objective and is determined solely by student performance on each of the evaluation criteria (in-class exam grades, on-line homework and quizzes, and the final exam). Do not expect extra credit work or bonus grade assignments.

Homework:

Homework is usually assigned **ONLINE** (math.unt.edu/~koshal/teachingportfolio.html) for every class period. Unless otherwise stated, all homework assignments are due at the beginning of the next class period. **NO LATE HOMEWORK** will be accepted for any reason whatsoever. A grade of zero will be assigned to any homework assignment not turned in at the time class begins. **NO EXCEPTIONS.** If you know that you will not be in class in time to turn in an assignment, you may turn it in EARLY to me personally or you can slide the Home work under my office door or hand it to someone in my office any time before the due date. But the Home work handed into the Math Department office is NOT considered turned in. Math dept staffs are explicitly instructed to NOT accept homework on my behalf. Electronically submitted homework (fax or email) will not be accepted, regardless of reason. You or someone in lieu of you must attend class promptly and submit the assignment(s) in order to have the assignments accepted. **I won't drop any low Home works grades. Instead, towards the end of the semester I may allow you to work on at most three missed HWs, as their make-up HWs.**

Incomplete, the Grade of "I":

Beginning Thursday, June 30, a student that qualifies may request a grade of "I", incomplete. An "I" is a

non-punitive grade given only if ALL three of the following criteria are satisfied. They are:

- 1) The student is passing the course;
- 2) The student has a justifiable (and verifiable) reason why the work cannot be completed as scheduled; and
- 3) The student arranges with the instructor to complete the work within one academic year.

Make-up Exam Policy:

NO MAKE-UP EXAMS WILL BE GIVEN. An exam may be taken **prior** to the scheduled date. I request an advanced notice for this accommodation via email. In the event of a schedule conflict with a university function, dental/physician's appointment, wedding, formal, or whatever, the **student must take the test early**. If a student does not take a scheduled exam, a **zero** will be recorded for that exam and a notice may be sent through the registrar's office.

There are three in-class exams. If your final exam score is higher than one of your in-class exam scores, then that in-class exam grade will be replaced with final exam grade. But, if you miss an in-class exam, a zero will be recorded for that exam grade and your final exam score will NOT replace that zero. If you receive a zero for cheating on an exam, the final exam score will NOT replace that zero. **The final exam score can count as 20%** of the course grade. Again, **NO MAKE-UP EXAMS WILL BE GIVEN FOR ANY REASON EVER.** But if the instructor deems it necessary, I may assign you an extra assignment to make-up one of the in-class test scores at the end of the semester, with the specific direction on it.

Progress Reports:

Students needing progress reports completed/signed for athletics, scholarships and/or any other organization must attend office hours to get them completed.

Quiz/In-Class work:

I may assign some in-class works or quizzes, which may count in your class participation, on this course.

Recommended Keys to Success/Expectations:

Students who are successful in math spend a great deal of time and honest effort outside of class along with punctual attendance. Students who are successful come to each class on time and stay the entire class. You are responsible for everything that happens in class. You should come to each lecture and come prepared. Students who are successful spend an hour (or two) after each lecture with a classmate reviewing the lesson and working on homework problems. They meet with a study group several times per week, attend SI sessions and use the Math Lab. Successful students work on the assignments consistently every day, instead of waiting until the last minute. They read their textbooks regularly and make learning notes. Math is not a spectator sport. You will not learn mathematics from watching the instructor or friends display ideas and solve problems. You must try the problems, finish problems, ask questions, correct your mistakes, put concepts in your own words, and practice, practice, practice!! An increase in effort usually results in increases in success.

Statement regarding use of email and attendance:

- Email may not be used in lieu of attendance. It is primarily for emergencies. **YOU MUST ATTEND** class to obtain course-related information.
- **YOU** are responsible for attending the required class meetings as stated in the course schedule guide.

Student Behavior:

Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. **Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Center for Student Rights and Responsibilities to consider whether the student's conduct violated the Code of Student Conduct.** The university's expectations for student conduct apply to all instructional forums, including university and electronic classroom, labs, discussion groups, field trips, etc. The Code of Student Conduct can be found at www.unt.edu/csrr

Student Evaluation of Teaching Effectiveness:

The Student Evaluation of Teaching Effectiveness (**SETE**) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider the SETE to be an important part of your participation in this class. Please be advised that the summer administration of the SETE will remain open through the week of finals at www.my.unt.edu

REMARK:

TO BE SUCCESSFUL IN A MATHEMATICS CLASS:

1. Before each class meeting, read the section in the book that will be covered that day. (Consult the Daily Schedule to know what section that will be.)
2. Attend every class. Be on time and prepared to concentrate on the lesson.
3. Take good, organized notes in class and keep them in a notebook. Write down all examples and key comments made by the instructor.
4. Study both your notes and text on a regular basis. Rework class examples. Read your text slowly, using pencil and paper to work out examples.
5. Work all of the homework assignment before the next class. Read the directions carefully. Note the different types of problems. Be sure you understand the necessary facts (intuitions) and related procedures needed to work each type of problem.
6. Study in advance for tests. Include these activities: review notes and text; practice working problems; and reflect on similarities, differences, and possible variations of problems.
7. Get a good night's sleep before a test. Make sure you have sharpened pencils, eraser, and charged batteries in your calculator at test time.
8. While taking a test: jot down formulas; read directions carefully; work easy problems first; show your work in an organized, neat form; use all of the allowed time.

**MATHEMATICS IS NOT A SPECTATOR SPORT -- YOU MUST PRACTICE TO
LEARN!!!**

Have a good Semester!!