

Grayson College Mathematics Department Spring 2021 Faculty Instructor's Syllabus

Professor's Name: Bill Horne**Office Location:** SSC-202A**Phone:** (903) 463-8720 |**Email:** horneb@grayson.edu**Office Hours:** Or by appointment

The easiest way to contact your instructor will be through the Inbox link in Canvas. You should receive a reply within 24 – 48 hours. Please resend your message should you not receive a reply within that timeframe. If you choose to contact me through horneb@grayson.edu, please tell me your name and the class you are enrolled in the subject line of your email message. Please know that I will only respond to messages sent via **Canvas** or your **Viking email** account.

Course Title: Mathematics for Business & Social Sciences II**Course Number:** MATH - 1325**Section Number:****Classroom:** NA**Class Meeting Times:** NA**Course Description:**

This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences. This course is not a substitute for MATH 2413, Calculus I.

Textbook and Required Material:

Applied Mathematics for the Managerial, Life, and Social Sciences, Tan, 7th Edition, Brooks/Cole, Cengage Learning Publishing, 2016

ISBN-13: 9781305107908

You must purchase a WebAssign access in order to complete the online assignments for this course. These may be attained at the Campus Bookstore or online. Information is located in Modules in the Canvas shell.

Prerequisite(s): This course is designed for business majors who have successfully completed MATH 1324 or MATH 1314.

Corequisite(s): NONE

Credit Hours: 3**Lecture Hours:** 3**Lab Hours:** 0

Methods of Instruction: Lecture/examples of problems, homework Q&A, videos (when applicable), online materials.

Suggested Course Materials:

You must have a scientific calculator for this course. Graphing calculators are **NOT** allowed. I recommend the TI-30X IIS. You will **NOT** be allowed to use your cell phone or any other electronic device that can be used for any purpose other than as a calculator.

Student Learning Outcomes: *(Upon completion of this course, students should be able to do the following.)*

1. Apply calculus to solve business, economics, and social science problems.
 2. Apply appropriate differentiation techniques to obtain derivatives of various functions, including logarithmic and exponential functions.
 3. Solve application problems involving implicit differentiation and related rates.
 4. Solve optimization problems with emphasis on business and social science applications.
 5. Determine appropriate technique(s) of integration.
 6. Integrate functions using the method of integration by parts or substitution, as appropriate.
 7. Solve business, economics and social sciences application problems using integration techniques.
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Method of Evaluation: (Grade will be determined by averaging the individual components using the scale shown below.)

Pencil and Paper Tests	80%
Online Homework	10%
Online Chapter Reviews	10%

Grading Scale: A = [89.5]–[100] B = [79.5]–[89.4] C = [69.5]–[79.4] D = [59.5]–[69.4] F = [0]–[59.4]

Grading Rubric for Math Problems:

The following table illustrates the way in which points will be deducted for errors made on assignments and exams.

Percentage of total point value to be deducted	Description of error(s)
0% - 30%	Minor Error <ul style="list-style-type: none"> • Correct mathematical notation was not used. • The sequence of steps was not written in a logical and organized manner. • Variables were not identified. • Units were not designated. • The method of solution is correct, but there is a sign, arithmetic, copying, or similar minor error in the work. • Correct grammar was not used when a verbal response was required.
30% - 70%	Significant Error <ul style="list-style-type: none"> • The method could have worked; a correct start was made, but a substantial error or errors led to the wrong conclusion. • Poor notation, organization, or handwriting made it difficult to follow and understand for the reader. • A correct method was started, but not completed.
70% - 100%	Major Error <ul style="list-style-type: none"> • Instructions were not followed. • Method of solution was incorrect. • Problem was left blank.

Homework Policy:

Homework is an essential part of this course. Math is a cumulative subject that requires frequent practice in order to develop your skills. If one topic is confusing, then the next topic is likely to be more confusing. The general rule of thumb is to spend two hours studying for every hour spent in class. This translates to six hours per week. Your proficiency with math and your success in this class will depend on active practice.

Textbook homework problems are also posted in Canvas for additional practice, but are not required to turn in for a grade. It is highly advisable that you do not neglect this learning method.

Project Description and Policy:

There are no projects in this class.

Quiz Policy:

Review assignments over each chapter are in WebAssign; the average of three chapter review grades will count as a quiz grade.

Exam Policy:

The testing policy for this class is still undecided at this time and I will contact you through announcements to update testing information.

You will **NOT** allowed to use graphing calculators on exams. You will also **NOT** be allowed to use your cell phone or any other electronic device that can be used for any purpose other than as a calculator on a test.

Make-up Policy:

Make-up exams will not be given for this term. Your lowest test score will be dropped.	
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Attendance Policy:

Regular class attendance is expected of all students. If a student is unable to attend, it is his/her responsibility to contact the instructor to obtain any assignments. You must show online activity or an e-mail to me each week for you to be counted as attending for the week.

Academic success is closely associated with regular class attendance and course participation. All successful students, whether on campus or online, are expected to be highly self-motivated. All students are required to participate in courses regularly and are obliged to participate in class activities and complete and submit assignments following their professors' instructions. Students taking courses during compressed semester time frames such as minimester, summer sessions, and mid-semester should plan to spend significantly more time per week on the course. Responsibility for work missed because of illness or school business is placed upon the student.

The college considers absences equal to or greater than 15% of the course's requirements to be excessive.

Resource Material:

Any student enrolled in this class has access to the Math Hub located in the Success Center, room SC-114, and can be reached at (903) 463 – 8663. The lab is staffed with faculty and tutors; in addition, it offers free tutorial help, calculators, and a computer area to watch math videos or work on your online math homework. For more information on the Math Hub (including an orientation video, a video showing how to get to the Math Hub on the Denison campus and hours of operation) go to the following web site: https://www.grayson.edu/current-students/Academic%20Resources/student-labs/math-hub.html

Disabilities Services:

The College is committed to meeting the special needs of disabled students and coordinates with agencies such as Texas Department of Assistive and Rehabilitative Services and Texas Department of Human Resources to provide appropriate accommodations.

Students with documented disabilities should contact the Disabilities Services Coordinator in the Success Center preferably before classes start or as early in the semester as possible. Once appropriate documentation for the disability is received, the Disability Services Coordinator will coordinate delivery of approved accommodations with students and their instructors. The College makes the following services available to students with documented disabilities: tutoring, note taking, sign language interpreting, special testing conditions, taped textbooks, scribes, special/modified equipment, and other appropriate services.

Drop/Withdrawal Regulation:

Under section 51.907 of the Texas Education Code, "an institution of higher education may not permit a student to drop more than six courses, including any course a transfer student has dropped at another institution of higher education." Please consult your instructor before you drop a course, and check the current Grayson Registration Guide for the last official day to drop/withdraw from a course.

Drop/Withdrawal Procedure:

To drop this course, you will need to do the following:

1. Attain a Drop/Add form from your instructor or the Admission's Office.
2. Turn in the completed Drop/Add form to the Admission's Office on or prior to the drop date.
3. Make sure your course withdrawal satisfies the college withdrawal policy.
4. You may receive an F if you do not finish this class and do not drop prior to the drop deadline.

Religious Holy Days:

Grayson College will allow students who are absent from class for the observance of a religious holiday to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence. The form for requesting absence for holy days may be obtained from the Vice President for Student Services. "Religious holy day" denotes a holy day observed by a religion whose places of worship are exempt from property taxation under section 11:20, Tax Code. A student who is excused under this section may not be penalized for the absence, but the instructor may appropriately respond if the student fails to satisfactorily complete the assignment or examination.

Evaluation of Instruction:

Grayson College seeks to improve the learning experience of all students. To assist in evaluating courses, students will be requested to complete an online evaluation-of-instruction near the end of the semester.

Student Code of Conduct

Students are expected and required to maintain classroom decorum that includes respect for other students and the instructor. Any student not following this rule will be warned in private and if there is no change in the behavior, the student will be asked to leave the class or receive disciplinary actions according to the Student Handbook - <https://grayson.edu/current-students/Docs/Student-Handbook-20-21.pdf>

Students are expected to have prompt and regular attendance, and an attitude that seeks to take full advantage of the educational opportunity.

Any behavior that disrupts the learning environment will not be tolerated. Disruptive behavior includes but is not limited to talking while another student or the professor is speaking. Cell phones should be turned off during class, this includes texting. If you truly have an emergency situation, put the phone in silent or vibrate mode and leave the room to answer if you must.

Academic Integrity Policy

The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrates a high standard of individual honor in his or her scholastic work.

Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, and the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. Plagiarism, especially from the web, from portions of papers for other classes, and from any other source is unacceptable.

Academic honesty will be ensured by the fact that 70% of your course grade will be earned while in a proctored and secured environment. If caught cheating (looking at another student's test, using notes within the test, or using an unauthorized software program) while taking a test in a proctored testing center you will be disciplined as follows:

- 1st offense will result in a grade of 0 for the exam in which the offense was committed along with a written letter to be added to his/her academic file.
- 2nd offense will result in a grade of F for the course along with a written letter to be added to his/her academic file and given to the dean of academics for further review.

Plagiarism Policy

Plagiarism is a form of scholastic dishonesty involving the theft of or fraudulent representation of someone else's ideas or words as the student's original work. Plagiarism can be intentional/deliberate or unintentional/accidental. Unintentional/Accidental plagiarism may include *minor* instances where an attempt to acknowledge the source exists but is incorrect or insufficient. Deliberate/Intentional plagiarism violates a student's academic integrity and exists in the following forms:

- Turning in someone else's work as the student's own (such as buying a paper and submitting it, exchanging papers or collaborating on a paper with someone else without permission, or paying someone else to write or translate a paper),
- Recycling in whole or in part previously submitted or published work or concurrently submitting the same written work where the expectation for current original work exists, including agreeing to write or sell one's own work to someone else,
- Quoting or copy/pasting phrases of three words or more from someone else without citation,
- Paraphrasing ideas without citation or paraphrasing incompletely, with or without correct citation, where the material too closely matches the wording or structure of the original,
- Submitting an assignment with a majority of quoted or paraphrased material from other sources, even if correctly cited, when original work from the student is expected,
- Copying images or media and inserting them into a presentation or video without citation,
- Using copyrighted soundtracks or video and inserting them into a presentation or video without citation,
- Giving incorrect or nonexistent source information or inventing source information,
- Performing a copyrighted piece of music in a public setting without permission,
- Composing music based heavily on someone else's musical composition.

GC Title IX Policy

GC policy prohibits discrimination on the basis of age, ancestry, color, disability, gender identity, genetic information, nation origin, race, religion, retaliation, serious medical condition, sex, sexual orientation, spousal affiliation and protected veterans status.

Furthermore, Title IX prohibits sex discrimination to include sexual misconduct: sexual violence (sexual assault, rape), sexual harassment and retaliation.

For more information on Title IX, please contact:

- ❖ Dr. Regina Organ, Title IX Coordinator (903) 463-8714
- ❖ Dr. Dava Washburn, Title IX Coordinator (903) 463-8634
- ❖ Dr. Kim Williams, Title IX Deputy Coordinator – South Campus (903) 415-2506
- ❖ Mr. Mike McBrayer, Title IX Deputy Coordinator (903) 463-8753
- ❖ Website: <http://www.grayson.edu/campus-life/campus-police/title-ix-policies.html>
- ❖ GC Policy Department: (903) 463-8777 – Main Campus (903) 415-2501 – South Campus
- ❖ GC Counseling Center: (903) 463-8730
- ❖ For Any On-campus Emergencies: 911

GC ALERT & EMERGENCY MANAGEMENT

Current students of Grayson College, Faculty, Staff, and the general public can register to receive voice and email messages via GC Alert, the college's emergency notification system. This web-based service sends high-priority messages during urgent situations. Manage your contact profile to the service through GC Alert. You can update your contact information for receiving alerts, and you can add, delete, or update your devices. For more information, please visit the website at <http://grayson.edu/campus-life/campus-police/emergency-management.html>

IMPORTANT DATES

March 23	Classes begin
March 24	Schedule Changes
March 26	Census date
April 29	Last day to drop a class
May 13	Final Exams

The final exam for this class will be on [Wednesday, May 14](#) at [TBD](#)

Grayson County College is not responsible for illness/injury that occurs during the normal course of classroom/lab/clinical experiences.

These descriptions and timelines are subject to change at the discretion of the Professor.

Grayson College campus-wide student policies may be found on our Current Student Page on our website:
<http://grayson.edu/current-students/index.html>

Course Calendar for MATH – 1325.C01NT (Subject to Change)

Actual Due Dates are in WebAssign

Week 1 03/23 – 03/27	Introduction Getting Started in Web Assign Section 9.1 Section 9.2
Week 2 03/30 – 04/03	Section 9.3, 9.4, 9.5
Week 3 04/06 – 04/10	Section 9.6, 9.7 Exam 1
Week 4 04/13 – 04/17	Section 9.8, 10.1, 10.2
Week 5 04/20 – 04/24	Section 10.3, 10.4, 10.5
Week 6 04/27 – 05/01	Exam 2 Section 11.1, 11.2
Week 7 05/04 – 05/08	Section 11.3, 11.4, 11.5
Week 8 05/11 – 05/14	Section 11.6, 11.7, Exam 3 Final Exam