MTH 176.006- Mathematics for Business Applications II
Course Syllabus: Spring 2015

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Office Hours: MW: 10:00 – 12:00
T: 13:00 – 14:00 or by appointment.

Class Schedule: TR: 2:00-3:15 pm
Location: BIN 326

Textbook:
Applied Mathematics for the Managerial, Life and Social Sciences 6th Edition
by Tan, ISBN # 978-1133108948.

Chapters 9, 10, 11 and 12 will be covered.

Technology:
Students may use a TI 83/84 or equivalent calculator for this course.

Course Description:
The derivative, graphing and optimization, exponential and logarithmic
functions, integration. Applications to management, economics, and
business. Prerequisite: Math 1314 or 1324.

Student Learning Outcomes:
Upon completion of the course, students will be able to:
1) Demonstrate knowledge and understanding of topics including, but not
limited to limits, continuity, derivatives and integration and apply these
topics in various fields of business.

2) Demonstrate problem solving skills in the solving of complex business
word problems.

3) Understand functions and their graphs.
CORE OBJECTIVES:

1) *Students will be able to analyze, evaluate, or solve problems when given a set of circumstances or data.*
   This common core objective will be assessed in the exams and final exam for all sections of Math 176.

2) *In written, oral, and/or visual communication, A&M-Commerce students will communicate in a manner appropriate to audience and occasion, with an evident message and organizational structure.*
   This common core objective will be assessed using common class activities with class discussion over limits, continuity, derivatives and integrals and how these topics relate to the field of business for all sections of Math 176.

3) *Students will be able understand and utilize mathematical functions and empirical principles and processes.*
   This common core objective will be assessed using class activities, homework problems, exams and final exam for all sections of Math 176.

COURSE REQUIREMENTS

**Instructional:** Lecture.

**Attendance:** It is expected that you attend classes daily and it is your responsibility to sign the daily class roll sheet. It is expected that you follow the guidelines set forth by the Class Attendance Policy in the current undergraduate catalogue.

**Exams:** There will be four midterm exams and a comprehensive final exam for this course.

- **Exam 1:** Thursday, February 12th (4th week)
- **Exam 2:** Thursday, March 12th (8th week)
- **Exam 3:** Thursday, April 9th (11th week)
- **Exam 4:** Thursday, April 30th (14th week)

**Final Exam:** Final Exam Week-University Schedule.
Home work/Quizzes: You are encouraged to try all the homework problems. There will be announced quizzes from the assigned homework problems.

COURSE GRADES

Grading policy: The course grade consists of

<table>
<thead>
<tr>
<th>Term</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Midterm Exams</td>
<td>320</td>
</tr>
<tr>
<td>8 Quizzes:</td>
<td>70</td>
</tr>
<tr>
<td>Final Exam:</td>
<td>130</td>
</tr>
<tr>
<td>Total:</td>
<td>520</td>
</tr>
</tbody>
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Notes:
- Lowest midterm grade will be replaced by the final exam grade if the final exam grade is higher.
- Lowest quiz grade will be dropped.

Grading Scale:
A: 90 – 100%, B: 80 – 89%, C: 70 – 79%, D:60 – 69%, F: 0 – 59%

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Withdrawal Policy:
Concerning the deadlines and consequences of withdrawals please check on: [https://ems.tamuc.edu/MasterCalendar/MasterCalendar.aspx](https://ems.tamuc.edu/MasterCalendar/MasterCalendar.aspx)

Make-up work:
No late tests will be given. If you miss a test, the final will be used to replace that score. No late homework will be graded and weekly quizzes will not be repeated if missed. However, a percentage of the homework and quiz grades will be dropped to cover days when an absence is unavoidable.

Getting Help:
You are welcome and encouraged to use office hours if you need any help during the semester. Further you can find free tutors at the Math Skills Center located in Binnion Hall 328.

Academic Integrity:
Texas A&M University –Commerce has explicit rules and regulations governing academic dishonesty and academic misconduct. These policies are stated in details in the student’s Guide Handbook. Each students is expected to read this document and abide by the contained polices. These university polices will be followed in class. The minimum penalty an act of academic dishonesty will be a grade of 0 on the examination or homework assignments.

**University Specific Procedures**

**ADA Statement**

**Students with Disabilities**
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 have a disability requiring an accommodation, please contact:

**Office of Student Disability Resources and Services**
Texas A&M University-Commerce
Gee Library- Room 132
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
StudentDisabilityServices@tamuc.edu

**Nondiscrimination Statement**

A&M-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

**Student Conduct**

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See *Code of Student Conduct from Student Guide Handbook*).