

Course Syllabus
Math 142.01
Calculus I
4 Credits
Fall, 2007

1. **Class meeting information:** Class meets in 402 LDB
Monday and Wednesday 8:00 - 8:00 am
Tuesday and Thursday 8:00 - 9:30 am

2. **Professor:** Dr. Jacqueline Jensen
Office: 410 Lee Drain
Office Phone: 294-3517
e-mail: jensen@shsu.edu
web-page: http://www.shsu.edu/~mth_jaj

3. **Office Hours:**
Monday 9:00 - 9:30 am
Tuesday 9:30 - 10:00 am
Wednesday 9:00 - 9:30 am
and 1:00 - 2:00 pm
Thursday 9:30 - 10:00 am
and, of course, by appointment.

4. **Course Description:**
This course includes the study of differential calculus, including limits and continuity, the derivative, techniques for differentiation of algebraic, logarithmic, exponential and trigonometric functions, applications of the derivative and anti-differentiation. Students taking Math 142 must have completed Math 163 or high school equivalent.
Class will be primarily lecture-oriented with many in class collaborative worksheets.

5. **Course Objectives:**
Students completing this course should have mastery of the following major concepts. Other techniques and ideas will also be covered.
 - limits
 - continuity
 - the definition of derivative
 - methods of differentiation
 - maximization and minimization problems
 - rates of change
 - anti-differentiation

6. **Required Textbook:**

Thomas' Calculus by Finney, Weir and Giordano, Eleventh Edition, ISBN 0321511816.

7. **Required Supplies:** A graphing calculator - TI-83 recommended. Calculators with Computer Algebra Systems will not be allowed. If you have questions about your calculator, please see me.

8. **Attendance Policy:** Students are expected to attend every class. If class must be missed, the student is expected to get the notes from a classmate, and to check the web-page for announcements and updated assignments. The professor will keep a record of attendance.

Tardiness: Students are expected to arrive to class on time. If a student is perpetually late, they will be asked to not attend class unless they arrive on time. If tardiness becomes a problem for the class as a whole, people who arrive late will not be permitted to enter the class. If this stricter policy becomes necessary, there will be an announcement made in class and posted on the web-page.

9. **Assignments:**

- (a) **Homework:** Homework will be assigned in class each day. Homework will not be collected, but students are encouraged to check their work with the solutions manual. Assignments can be found online at:

http://www.shsu.edu/~mth_jaj/math142/duf07.html

It is your responsibility to ask questions about homework problems which you were not able to complete or did not understand. It is your responsibility to come to office hours, or otherwise contact someone for help. You may contact me via e-mail if you cannot make it to office hours, and I will try to answer questions as clearly as I can via e-mail. It is also your responsibility to do as many problems from each section as you need to in order to feel comfortable with the material.

- (b) **Quizzes:** There will be a quiz in class every Thursday over the material covered since the previous quiz. Each quiz will be given during the first 10-15 minutes of class, and extra time will not be allowed if you are late to class, so be sure to be on time. No make-ups are allowed under any circumstances. To compensate for this, at least the lowest two quiz scores for the semester will be dropped.
- (c) **Worksheets:** Every Tuesday there will be in class worksheets. These worksheets will be completed in groups. Your attendance, participation in group discussions, and understanding of the material on these worksheets will be graded.
- (d) **Class participation:** Students are encouraged to attend every class and participate actively by asking questions both in and out of class.
10. **Exams:** There will be two exams during the semester. They are tentatively scheduled to occur on: **Thursday, 20 September AND Thursday, 25 October**. Any changes to this schedule will be announced in class and posted on the web-page.

If a student misses an exam, the student will be allowed to replace that exam score with their score on the final exam if the student takes and passes the next exam at the regularly scheduled time.

The **final exam** will be held on Monday, 10 December from 8:00 - 10:00 am. It will be comprehensive.

11. **Grading Plan:** The course grade is based on:

Quizzes	Worksheets	Exam 1	Exam 2	Final Exam
15%	15%	20%	20%	30%

and course grades will be assigned via the following table:

Percentage earned	90-100%	80-89%	70-79%	60-69%	0-59%
Grade	A	B	C	D	F

There is no additional curve in this class, and no extra credit, so keep up as the semester progresses.

12. **Student Syllabus Guidelines:** You may find online a more detailed description of the following policies. These guidelines will also provide you with a link to the specific university policy or procedure: <http://www.shsu.edu/syllabus/>
13. **Academic Dishonesty:** Students are expected to maintain honesty and integrity in the academic experiences both in and out of the classroom. See Student Syllabus Guidelines.
14. **Classroom Rules of Conduct:** Students are expected to assist in maintaining a classroom environment that is conducive to learning. Students are to treat faculty and students with respect. Students are to turn off all cell phones while in the classroom. Under no circumstances are cell phones or any electronic devices to be used or seen during times of examination. Students may tape record lectures provided they do not disturb other students in the process.
15. **Student Absences on Religious Holy Days:** Students are allowed to miss class and other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. Students remain responsible for all work. See Student Syllabus Guidelines.
16. **Students with Disabilities Policy:** It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance should visit with the Office of Services for Students with Disabilities located in the Counseling Center. See Student Syllabus Guidelines.
17. **Visitors in the Classroom:** Only registered students may attend class. Exceptions can be made on a case-by-case basis by the professor. In all cases, visitors must not present a disruption to the class by their attendance. Students wishing to audit a class must apply to do so through the Registrars Office.
18. **Additional Information** All information on this syllabus is subject to change. Any changes will be announced in class.