

**MAT 265**

# Calculus I

**Spring 2008**

Instructor: <b>F. Odish</b>	Office: <b>ECA 214</b>
SLN : <b>13589</b>	Time/Day: <b>8:40-9:30 M W F</b>
Telephone: <b>(480) 965-0307</b>	Office Hours: <b>12:40-1:30 MTW&amp;Th Or by Appo.</b>
Instructor Web Page: <a href="http://math.asu.edu/~odish">http://math.asu.edu/~odish</a>	E-mail: <b>odish@math.asu.edu</b>
Text: <b>Essential Calculus, Early Transcendentals</b> , by James Stewart (Brooks/Cole)	

### Lecture Schedule

Week	Sections Covered	Remarks
01/14 – 01/18	1.1, 1.2	
01/21 – 01/25	1.3, 1.4, 1.5	(01/21) MLK Holiday
01/28 – 02/01	1.6, 2.1, 2.2	
02/04 – 02/08	2.3, 2.4	
02/11 – 02/15	2.5, <b>Review</b>	(2/14) Test 1
02/18 – 02/22	2.6, 2.7	
02/25 – 02/29	2.8, 3.1, 3.2	
03/03 – 03/07	3.3, 3.5	(3/6) Mastery Test (Including section 3.5)
03/10 – 03/14	<b>Spring Break</b>	<b>Spring Break</b>
03/17 – 03/21	3.7, <b>Review</b> , 4.1	(3/20) Test 2
03/24 – 03/28	4.2 - 4.4	
03/31 – 04/04	4.5, 4.7	
04/07 – 04/11	5.1, 5.2	
04/14 – 04/18	5.3	
04/21 – 04/25	<b>Review</b> , 5.4	(4/24) Test 3
04/28 – 04/29	<b>Review</b>	(4/29) Last class, (04/30) is reading day.

### Important Dates and Points Allocations

Testing Schedule			Grade Allocations		Grade Assignment	
Test	Covering through	Date	Tests*			
1	1.1-1.6, 2.1-2.4	2/14	Tests*	50%	A+	97% +
2	2.5-2.8, 3.1-3.3, 3.5,3.7	3/20	Homework & Quizzes	30%	A	93% – 96.99%
3	4.1-4.5, 4.7, 5.1-5.4	4/24	Final Exam	20%	A-	90% – 92.99%
			Total	100%	B+	87% – 89.99%
			* No test is will be dropped		B	83% – 86.99%
					B-	80% – 82.99%
					C+	77% – 79.99%
					C	70% –76.99%
					D	60% – 69.99%
					E	< 60%

**Prerequisite:** MAT 170-Pre-calculus with grade C or better , or a passing score (36 or better) on the placement exam.

**Homework & Quizzes :** Homework will be collected and graded. Students may work together on homework, but each individual student is required to write-up and turn in their own work. **No late homework is accepted.** Students are also responsible for reading each section *before* it is taught in class. Quizzes are given at the discretion of the instructor and frequently reflect material that has recently been discussed in class.

**Exams:** There will be three midterm exams given during the semester. All exams will be taken outside of class in the Math Testing Center **on the dates indicated** on the given table. **Your calculator memory may be randomly viewed during any exam and will be cleared if anything suspicious is written therein.** The Instructor has the right to regard finding suspicious material in your calculator memory as cheating. Makeup exams are given at the discretion of the instructor and only in the case of verified medical or other emergency, which **must be documented.** The instructor must be **notified before the test is given.** Call the instructor or the Math Department Office (480-965-3951) and leave a message or directly notify your instructor.

**Mastery Test:** The mastery exam assesses basic differentiation skills (including implicit differentiation) and will be administered after covering the section on implicit differentiation. A score of at least 85% on one of the two attempts will be considered mastery. Those who pass the exam on the first attempt receive a score of 100%. Those who do not receive an 85% on the first attempt will be allowed a second attempt. Those who pass the mastery test on the second attempt will receive a score of 85%. Those who do not pass the mastery exam on the second attempt will receive 75% of the points that he/she earned on that attempt. The mastery exam is weighted 50% of one exam score.

**Final Exam:** Saturday, May 3<sup>rd</sup>, 7:40-9:30 am. Location: to be announced .The final exam is a comprehensive.

**Math Testing Center:** The Mathematics Department Testing Center is in PSA 21 (basement). In order to be admitted to the Testing Center each student **must have** a valid ASU "**Sun Card**". The testing center is open 8:00 a.m. - 6:30 p.m. M-Th and 8:00 a.m. - 3:30 p.m. Fri. Make sure you arrive *before* 6:30 M-Th (3:30 Fri.) since the testing center employees are very prompt and unbending. Students should take exams as early as possible during the allotted time frame, as the center can get extremely busy.

**Tutoring:** The math department no longer tutors MAT 295. However, there is tutoring available at **Engineering Tutor Center: Location:** ECF 102. **Hours:** to be announced

**Graphing Calculator:** A graphing calculator is required for this course. If you already have a graphing calculator, you may use it. Examples of highly recommended models are the TI-*n*spire & TI 83/84 or Casio 9850GB Plus. Calculators with QWERTY keyboards or those that do symbolic algebra, such as the Casio FX2, Casio 9970Gs, TI-89, TI-92, or TI-*n*spire (CAS) **cannot** be used in class or during an exam.

**Attendance: Attendance:** The maximum number of allowed absences is **six (6)**. Students who exceed the number of allowed absences will receive a grade of **EN**.

Attendance is mandatory! Your instructor reserves the right to take attendance and to incorporate your attendance as part of your overall grade.

**Classroom behavior:** Under no circumstances should you allow your cell phone to ring during class. Any disruptive behavior, which includes ringing cell phones, listening to your mp3 player, text messaging, Constant talking, eating food noisily, reading a newspaper will not be tolerated. If in my judgment you are disrupting class, I will ask you to leave and you will forfeit your attendance points.

**Note:** This syllabus is tentative and should not be considered definitive. The instructor reserves the right to modify it (including the dates of the tests) to meet the needs of the class. It is the student responsibility to attend class regularly and to make note of any change. The Instructor also reserves the right to create class policies in regards to homework due date, late assignments, etc.

## Homework Problems

SECTION	PROBLEMS FROM TEXTBOOK
1.1	23,24,26,32,37,40,57,58
1.2	4,16,18,36-38,46,52
1.3	3-6,8,12,14,15,21
1.4	1,2,9,12,14,16,18,19,21,23,30,37,38
1.5	3,4,6,10,13-16,19,23,27,31,35,37
1.6	2,10,13,16,18,20,23,26,28,31,33,38
2.1	4,8,9,12,19,23,25, 30,32
2.2	3,4,12,18,28,35,36
2.3	1-26 even,31,32,36,38,40,42,44,48,51
2.4	3-26 odd,29,30,34,38,43
2.5	6-38 even,40,44,46,49,57
2.6	2-14 even,18,22, 24, 26
2.7	2,5,9,10,12,19,22,25
2.8	12,13,17,19,22,24
3.1	4,15,16,24,26,27,29
3.2	28,32,34,38,40,62,68,70,71
3.3	1-36 odd,39,40,41,45,48,50,52,54,57
3.5	7,8,16-28,32,34
3.7	1,2,4,6,8,10,16,18,22,24,27,30,32,33,35,36,39
4.1	6,8,,25,28,33,36,38,45,48
4.2	4, 5, 7, 11,15, 23,34
4.3	1,6,8,14,24,29,34,36
4.4	5,12,17,23,31,39,40
4.5	2,6,8,13,19,22,40
4.7	2,3,4,6,8-12,15-28 odd ,33,36
5.1	1,3,4,8,12
5.2	2,3,5,6,8,10,12,14,16,26,30,32,42
5.3	1-28 odd,30,36,40,44,56,58
5.4	5-20 even

*(Homework problems may be added or deleted at the instructor's discretion)*

## Departmental and University Policies and Procedures

<b>Departmental drop back</b>	<b>February 4</b>
<b>Course withdrawal</b>	<b>March 28</b>
<b>Complete withdrawal</b>	<b>April 29</b>

**Departmental Drop Back:** Based on results of a readiness test and advising from the course instructor, a student may elect to drop back to a lower level math course before the drop back deadline. The student should go to the Undergraduate Mathematics Office in PS A211 to initiate a drop back request.

**The grade of Incomplete:** A grade of incomplete will be awarded only in the event that a documented emergency or illness prevents the student who is doing acceptable work from completing a small percentage of the course requirements. The guidelines in the current general ASU catalog regarding a grade of incomplete will be strictly followed.

**Instructor-Initiated Drop:** At the instructor's discretion, any student who has not attended class during the first week of classes may be administratively dropped from the course. However, students should be aware that non-attendance would NOT automatically result in their being dropped from the course. Thus, a student should not assume they are no longer registered for a course simply because they did not attend class during the first week. It is the student's responsibility to be aware of their registration status.

**Final Exam Make-up Policy:** The final exam schedule listed in the Schedule of Classes will be strictly followed. Exceptions to the schedule and requests for make-up examinations can be granted only by the Department Chair, Associate Department Chair or the Director of First Year Mathematics, and for one of the following reasons:

1. religious conflict (e.g., the student celebrates the Sabbath on Saturday)
2. the student has more than three exams scheduled on the same day as the math final
3. there is a time conflict between the math final and another final exam.

**Incomplete:** If there is a last-minute personal or medical emergency, the student may receive a grade of Incomplete and make up the final within one calendar year. The student must provide written documentation and be passing the class at the time to receive an Incomplete. Make-up exams will NOT be given for reasons of a non-refundable airline tickets, vacation plans, work schedules, weddings, family reunions, and other such activities. Students should consult the final exam schedule before making end-of-semester travel plans. *The Dean of the student's college must approve any exceptions to these rules.*

**Honor Policy:** The highest standards of academic integrity are expected of all students. The failure of any student to meet these standards may result in suspension or expulsion from the University or other sanctions as specified in the University Student Academic Integrity Policy. Violations of academic integrity include, but are not limited to, cheating, fabrication, tampering, plagiarism or facilitating such activities.

**The grade of XE:** A grade of XE is reserved for "failure for academic dishonesty." The grade goes on the student's transcript; the student needs to petition to have it removed after 1 year.

**Ethics:** It's highly unethical to bring to your instructor's attention the possible impact of your mathematics grade on your future plans, including graduation, scholarships, jobs, etc. The instructor may exercise an option to withdraw you from the course if they think you are compromising the ability to assess your work independently of any other consideration. Students found to be involved in academic dishonesty will be removed from the class and a grade of E for the course will be submitted to the registrar. The student will be advised to repeat the course with another professor, possibly at another institution. This is the least action taken. Further, more serious actions may be taken if the situation indicated that such actions are appropriate. We will act very harshly against cheating during Quizzes or Exams.