

Instructor: Joe Sadow	Office: WCLR327
SLN : 19620	Time/Day: MWF
Office Hours: TTh 2-3pm ; WF 1-2pm or by Appointment	Hours: 3:05-3:55pm
Instructor Web Page: Course Blackboard / Piazza	E-mail: jrsadow@asu.edu
Text: <i>Essential Calculus, Early Transcendentals, 2nd Edition</i> , by James Stewart (Brooks/Cole)	

Prerequisite: MAT 170-Pre-calculus with grade C or better, or a passing score (67 or better) on the placement exam.

When you contact your instructor, put “MAT 265” and class time into the subject line. Due to FERPA, your instructor cannot answer grade related questions or discuss grades by email. You **MUST** send all email from your official ASU email account. Emails that are not sent from that account will be ignored.

Tentative Friday Lecture Schedule:

Week of	Section	Comments
January 9	1.3	Introduction; Limits: Graphical and Numerical, One-Sided
January 16	1.4,1.5,1.4	More Limits; Continuity; Test 0 Wednesday or Thursday in Testing Center
January 23	1.6,2.1	Limits at Infinity, Asymptotes; Derivatives and Rates of Change
January 30	2.2,2.3	Derivative as a Function; Basic Derivative Formulas – Power Rule
February 6	2.4,2.5	Product Rule, Quotient Rule; Chain Rule; Test 1 Friday in class
February 13	2.6, 2.7	Implicit Differentiation; Related Rates
February 20	2.8,3.1	Linear Approximation, Differentials;
February 27	3.2,3.3	Inverse Functions and Logarithms; Derivatives of Exponential and Logarithmic Functions
March 6	None	No Classes this Week as per Holiday Mon Mar 6 to Fri Mar 10
March 13	3.5,3.7	Inverse Trigonometric Functions; Indeterminate Forms and L'Hospital's Rule;
March 20	4.1,4.2	Maximum and Minimum Values (Extrema) Mean Value Theorem; Test 2 Friday in class
March 27	4.3,4.4	Derivatives and the Shapes of Graphs; Shapes of Graphs and Curve Sketching;
April 3	4.5,4.7	Optimization; Antiderivatives; Mastery Test #2 Weds or Thurs in Testing Center
April 10	5.1,5.2	Areas and Distances; The Definite Integral
April 17	5.3,5.4	Definite Integrals; The Fundamental Theorem of Calculus; Test 3 Weds in class
April 24	5.4	The Fundamental Theorem of Calculus; Final exam review
Final Exam Week		Final Exam: Th, May 4 from 7:10 pm to 9:00 pm (room TBA)

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 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.

Important Dates and Points Allocations

Testing Schedule				Grade Allocations		Min. % for Grades	
Test	<i>Covering through</i>	<i>Date</i>	<i>Location</i>	Test 0	1% **	A+,A,A-	97,93%90%
0	Algebra prerequisites	1/18, 1/19	Testing Center	Tests 1-3 and Mastery*	50%	B+,B,B-	87,83,80%
1	1.3-1.6, 2.1-2.3	2/10	Classroom	WebWork	16%	C+,C	77,70%
2	2.4-2.8, 3.1-3.3, 3.5, 3.7	3/24	Classroom	Quizzes	9%	D	60%
3	4.1-4.5, 4.7, 5.1, 5.2	4/19	Classroom	Final Exam	25%	E	< 60%
M	Mastery 1 (M1) and Mastery 2 (M2) of Differentiation	3/27 (M1); 4/5 or 4/6 (M2)	Classroom M1 Testing center M2	*No test will be dropped		** extra credit, see below	

Your final grade will be assigned based on the course credit you have earned during the period from the first day of class to the final exam, with weights assigned to grade components as given in the table above. Your opportunity to earn course credit ends with the final exam. You **will not receive extra credit assignments** before or after the final exam to raise your grade to a more desirable one.

Final percent grades will not be rounded up to the next higher integer before they are converted into letter grades. That means that a grade of 89.9% is a B+.

Academic Status Report: there are two times during the semester when you will be issued an academic status report from your instructor if your class grade is failing at that time.

Status Report #1 may be viewed between February 13 – February 20, 2017.

Status Report #2 may be viewed between March 23 – March 30, 2017.

If you receive a bad status report, please come see your instructor. In particular, if the status report says that you are to meet with your instructor in person, come to office hours **within one week of receiving the report**.

Status reports are **not** a real-time running tally of your grades in the class and are not updated to reflect grades earned after the report has been issued.

Class Content, Teacher Expectations, Studying for the Class and Examinations

Textbook: you must read each section of the textbook before it is covered in class, it really helps!

Attendance is mandatory. Your instructor will take regular attendance through a sign in sheet or quiz; students found to be signing in for other students is not permitted. The maximum number of absences is six. Students who exceed those numbers will receive a grade of **E**.

Homework will be submitted online through WeBWorK on about a weekly basis usually due on Thursdays at 11:59pm. (Click on your instructor's name at <https://webwork.asu.edu>.) For best results on the tests (especially the final exam), do not rely on the work of others (including Wolfram Alpha) to answer the problems.

Quizzes: There will be written quizzes given at the end of some lectures, there will typically be one per week making approximately 13 quizzes in total.

Piazza: The class will use Piazza (<https://piazza.com>) for class discussions. Piazza is the appropriate place to ask a question about the material or homework. The advantage of using Piazza is that if you ask a question and someone answers it, everyone else can see that. The instructor monitors Piazza regularly, offering feedback whenever necessary.

Student Rules of Engagement (Piazza):

- All questions related to classwork should be posted to Piazza. Any homework or classwork questions emailed directly to the instructor will not be answered.
- Please include the section number and question number in the header (e.g. Section 11.2, #7).
- Please include a couple lines of your work. You may also photograph your written work and insert the image within the post. Please trim the image size if possible.
- Please be courteous at all times. No vulgar, demeaning, or aggressive language will be tolerated.
- Do not use Piazza to air grievances or to campaign.
- Do not use Piazza for personal messages. Those should be sent by email to the instructor directly, and only from your ASU email account.
- Stay on topic. Do not use Piazza for discussions not related to this class.
- Keep a civil and friendly atmosphere. Piazza works best when there are a lot of students willing to engage the forum.
- Please do not expect immediate replies. Instructors usually check the forum daily. In the meantime, other students are encouraged to add feedback and commentary.

Failure to adhere to these requirements may result in your posting privileges being revoked.

Exams: There will be three midterm exams and one final exam given during the semester. They will be taken in the classroom **on the dates indicated** on page 2.

Test 0 will test your prerequisite algebra knowledge (MAT 170/171 or equivalent).). If you earn a passing grade (70% or higher), 1% of the course grade will be added to your final grade as extra credit. To prepare for test 0, you should review the sample tests posted at <https://math.asu.edu/resources/math-courses/mat170>

Note that some questions involve calculus content that you may be unfamiliar with and are there for

the purpose of assessing prior knowledge of calculus. You should answer all questions since there is no penalty for wrong answers.

Calculator policy: it is your responsibility to bring a permitted graphing calculator to the exam. Your teacher will not be able to supply you with a calculator if you do not bring yours. You cannot share a calculator with another student who is also taking the test.

Your calculator memory may be viewed during any exam and will be cleared if anything suspicious is written therein. The Instructor has the right to regard any suspicious material in your calculator memory as cheating.

Communication devices on exams policy:

All internet-capable devices must be turned off and be made inaccessible during all exams. Anyone who accesses such a device during an exam for any reason will receive a score of 0 for that exam and possible further disciplinary measures.

Bathroom Breaks during exams policy:

You are not permitted to go to the bathroom during midterm exams or the mastery tests. Please go to the bathroom before you start your exam. If you go to the bathroom during the exam, that ends your testing period. If you have a medical condition that may require you to go to the bathroom during exams, you must provide documentation to your instructor in advance. On the final exam, you are permitted one bathroom break. A proctor will escort you to the bathroom.

Makeup policy: 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**. Notify your instructor directly or call the Math Department Office (480-965-3951) and leave a message.

There are no test retakes or “corrections”, and no lowest test will be dropped, nor will you receive extra credit assignments to erase the consequences of a bad test.

Mastery Test: The mastery test assesses basic differentiation skills (including implicit differentiation) and will be administered after covering in class the section of the book on implicit differentiation. No calculators are allowed on the mastery test.

- Mastery Exam One: To pass you need an 85%. If you pass, a grade of 100 is recorded. Do not take Mastery Exam Two if you pass.
- Mastery Exam Two: To pass you need an 85%. If you pass, a grade of 85 is recorded. If you do not pass, 85% of the score you earn is recorded.

The mastery test is weighted toward the final grade as 50% of a midterm exam.

The first mastery test is taken in the classroom; the second in the testing center WCLR 21.

Math Testing Center: The Mathematics Department Testing Center is in WCLR (formerly PSA) 21 (basement). On the **second** mastery testing day, the testing center will be open 10 am–5:30 pm. There will be 5 time slots on mastery testing days:

10.15 am to 11:30

11:30 to 12:45pm

1:00 to 2:15

2:15 to 3.30

3.30 to 4:45

You will be expected to commit to one of these time slots in advance. Each time slot will only be able to

accommodate a limited number of students. Each mastery test attempt will be limited to 50 minutes, to allow for check-in and check-out.

Picture ID requirement for testing: for each exam and the mastery test attempts, you have to bring your ASU picture ID. On the exams, show your ID when you turn in your test.

Students in face-to-face or online courses taking exams and quizzes at Arizona State University should expect to be proctored. The process includes verifying the identity of the student and providing either live proctors or other forms of proctoring during the exam or quiz. In the case of face-to-face courses, students can be required to show a valid identification card, and expect to be monitored by proctors while taking either an exam or quiz. Proctoring of online students requires presenting a valid identification card as part of the verification process and monitoring by online proctoring software.

ASU contracts with three online proctoring software companies. Each company has been carefully reviewed for software security and the protection of student data and must meet the standards of the ASU Internet Security Office. In addition, any company employee, including proctors, who would have access to student data must have a background check and be fingerprinted. Students can take exams in any location that has a reliable Internet connection. It is best to select a quiet location where the student can be alone in a room.

If you cannot show an official picture ID (passport or valid US driver's license), instructors or proctors may take your picture with your test. If you do not consent to that, they do not have to accept your test.

Reviews: Reviews and old exams are posted on the school's website at <https://math.asu.edu/resources/math-courses/mat265>

It would also be a good idea to study a diverse sample of homework problems given in the textbook for additional review, including the recommended problems below.

Studying for the class:

While diligent and timely completion of the homework assignments is necessary to master procedural skills, this alone is insufficient to gain conceptual understanding. To master the concepts, you must review and study your class notes continually throughout the semester with the goal of understanding the connections between the concepts. Try to be ahead of lectures in terms of content before attending.

Some Recommended Problems

Sec	Exercises
1.3	6, 18
1.4	10, 24, 26, 38, 44
1.5	31, 33
1.6	34, 36, 38
2.1	14(a-b), 16, 32, 36, 40
2.2	26, 40
2.3	38, 64
2.4	40, 42, 44, 46
2.5	54, 56, 58, 60, 62
2.6	20
2.7	2, 4, 6, 12, 24
2.8	22, 24, 30
3.1	14, 16, 24, 26
3.2	2, 16, 18, 38, 40,
3.3	48, 70
3.5	8, 26, 36, 38
3.7	2, 4, 6, 10, 12, 28, 38, 40
4.1	28, 32, 36, 46, 48, 50

4.2	10, 12, 16, 24
4.3	15, 16, 24, 26, 33, 45
4.5	10, 14, 16, 28,
4.7	38, 42
5.1	4
5.2	10, 16, 18, 30, 34, 44
5.3	54, 56, 60, 62,
5.4	2, 14, 20, 22, 26

Tutoring:

- The Math Tutor Center (free of charge) in WCLR 116 will be open the following hours:
 - 8:00 a.m. - 8:00 p.m. Monday through Thursday
 - 8:00 a.m. - 3:00 p.m. Friday
 - 1:00 p.m. - 6:00 p.m. Sunday
- The Mathematics Community Center (MC²) in WCLR 303 (**I recommend this one above the others**)
 - Monday – Friday from 10:30 AM – 7:00 PM (no tutors after 4:00pm)
- The Engineering Tutor Center (free of charge) in ECF 100 will be open approximately the same hours Mon – Fri. as the Math Tutor Center.

Come in for help before it is too late, and several days before an exam day to strengthen your preparation; anxiety about exams almost always stems from not being well prepared. Note that in order to be admitted to the Tutor Center each student must present their valid ASU Sun Card.

Final Exam Make-up Policy: The final exam schedule listed in the Schedule of Classes will be strictly followed. Except to resolve those situations described below, no changes may be made in this schedule without prior approval of the Dean of the College of Liberal Arts and Sciences. Under this schedule, if a conflict occurs, or a student has more than three exams on one day, the instructors may be consulted about an individual schedule adjustment. If necessary, the matter may be pursued further with the appropriate dean(s). This procedure applies to conflicts among any combination of Downtown Phoenix campus, Tempe campus, Polytechnic campus, West campus, and/or off campus class. 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.

Classroom behavior, etiquette and academic integrity policies

- Athletes with travel schedules should meet with the instructor by the end of the first week of classes to discuss any necessary arrangements that need to be made.
- If you have a disability that requires special accommodations, it is your responsibility to bring this to your instructor's attention during the first week of class. You must also contact the ASU Disability Resource Center <https://eoss.asu.edu/drc>. All efforts will be made to ensure you have equal opportunity to succeed in the course, but there can be no retroactive accommodation.
- Arrangements for any religious observances or ASU sanctioned activity must be arranged with the instructor at least one week prior to the event.

- Classroom disturbances, including but not limited to: arriving late, talking in class, using cellular devices, texting, listening to music, eating and drinking are not tolerated. Each student is expected to show respect for every student registered in the course. Turn off any cellular phones, pagers, laptops, tablets and other electronic devices and put them out of sight prior to entering class. The usage of laptops is prohibited in the classroom. Notes should be taken with pen/pencil on paper. If you wish to use an electronic device for note taking, talk to your instructor.

An instructor may withdraw a student from a course when the student's behavior disrupts the educational process under USI 201-10:

<http://www.asu.edu/aad/manuals/usi/usi201-10.html>

Students are required to adhere to the ABOR Student Code of Conduct:

http://www.asu.edu/studentaffairs/reslife/outreach/abor_code.htm

- **Academic Integrity:** Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The possible sanctions include, but are not limited to, appropriate grade penalties, course failure (indicated on the transcript as a grade of E), course failure due to academic dishonesty (indicated on the transcript as a grade of XE), loss of registration privileges, disqualification and dismissal. For more information, see <http://provost.asu.edu/academicintegrity>.
- **The grade of XE:** A grade of XE is reserved for "failure due to academic dishonesty." The grade goes on the student's transcript and usually remains there permanently. Examples of academic dishonesty are signing an attendance sheet for another student or asking another student to sign an attendance sheet on your behalf, accessing unauthorized help while taking an exam, and attempting to influence a grade for reasons unrelated to academic achievement. Asking for a higher grade than the one you have earned because you need a higher grade to maintain a scholarship, or to satisfy your own or someone else's expectations constitutes academic dishonesty.

Withdrawal: A student may withdraw from a course with a grade of **W** during the withdrawal period. The instructor's signature is not required. A complete withdrawal must be done in person and that it involves withdrawing from all ASU classes, not just this course. Students will not be withdrawn if they merely stop coming to class. It is a student's responsibility to verify whether they have in fact withdrawn from a class.

Course Withdrawal Deadline	April 2, 2017
Complete Withdrawal Deadline	April 28, 2017

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 incomplete is not a "get out of jail free" card and cannot be used as an alternative to withdrawal, or as a way to re-take the class for free. 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, a student who has not attended any class during the first week of classes may be administratively dropped from the course. However, students should be aware that non-attendance will 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.

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 all class meetings and to make note of any changes. The Instructor also reserves the right to create class policies in regards to homework due date, late assignments, etc.