ASU Arizona State University

MAT 266 Calculus II Fall 2013

Instructor: Donnie Adams	**Office:** PSA 434
SLN : 73596	**Time/Day:** M W F, 9:00am to 9:50am
Instructor Web Page: thedadams.com/Teaching.html	**E-mail:** dgadams4@asu.edu
Text: *Essential Calculus, Early Transcendentals, 2nd Edition,* by James Stewart (Brooks/Cole)	
Test reviews: http://math.asu.edu/first-year-math/mat-266-calculus-engineers-ii	

Testing Schedule			**Grade Allocations**		**Min. % for Grades**	
Test	*Covering through*	*Date*	Tests*	50%	A	90%
1	5.5, 6.1-6.4, 6.6 **(No calculator allowed)**	9/23	Homework & Quizzes	25%	B	80%
2	6.5, 7.1-7.4, 7.6, 8.1-8.2	10/23	Final Exam	25%	C	70%
3	8.4-8.7, 9.1, 9.2	11/22	Total	100%	D	60%
Final	Comprehensive, including 9.3, 9.4	12/10	* No test will be dropped		E	<60%

Tentative Lecture and Test Schedule

Date	Section	Concepts/Comments
8/22 – 8/23	5.1-5.4	Introduction; Review of the Definite and Indefinite Integral
8/26 – 8/30	5.5, 6.1	Substitution, Integration by Parts
9/2 – 9/6	6.2	*Labor Day (Mon. 9/2)*, Trigonometric Integrals and Substitutions
9/9 – 9/13	6.3, 6.4	Partial Fractions, Integration with Tables & CAS
9/16 – 9/20	6.6, 6.5	Improper Integrals, Test 1 review, Numerical Integration
9/23 – 9/27	6.5, 7.1	**Test 1** (Mon. 9/23), Numerical Integration (cont.), Area Between Curves
9/30 – 10/4	7.2, 7.3	Volumes (Slicing, Disks and Washers), Volume (Shells)
10/7 – 10/11	7.4, 7.6	Arc Length, Applications to Physics and Engineering (Work)
10/14 – 10/18	8.1, 8.2	*Fall Break (Mon-Tue)*, Sequences, Series
10/21 – 10/25	8.4	Test 2 Review, **Test 2** (Wed 10/23), Convergence Tests (Ratio Test)
10/28 – 11/1	8.5, 8.6	Power Series, Representing Functions as Power Functions
11/4 – 11/8	8.7, 9.1	Taylor and Maclaurin Series, Parametric Curves
11/11 – 11/15	9.1, 9.2	*Veteran's Day (Mon)*; Parametric Curves (cont.), Calculus with Parametric Curves
11/18 – 11/22	9.2	Calculus with Parametric Curves (cont.), Test 3 Review, **Test 3** (Fri 11/22)
11/25 – 11/29	9.3	Polar Coordinates, Tangents to Polar Curves; *Thanksgiving (Th-Fr)*
12/2 – 12/6	9.4	Areas and Lengths in Polar Coordinates, Final Exam Review
12/9 – 12/13		The Final Exam is Tuesday, Dec. 10 from 7:10-9:00pm (room t.b.a.)

Important Dates and Points Allocations

Prerequisite: MAT 265 or MAT 270 (Calculus I) with a grade C or better.

Text: *Essential Calculus, Early Transcendentals, 2nd Edition,* by James Stewart (Brooks/Cole). The used version is fine. The new version of the textbook at the bookstore comes bundled with WebAssign at no added cost.

Homework & Quizzes: Homework will be collected and graded via WebWork. Students may work together on homework, but each individual student is required to submit their own answers to WebWork. **No late homework is accepted**. (Click on "Adams" under MAT 266 at http://webwork.asu.edu.) Students are also responsible for reading each section *before* it is taught in class. Quizzes are given at the discretion of the instructor and 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 in the classroom on the dates indicated on the given table. **A calculator will not be allowed on Test 1**, but graphing calculators that do not do symbolic algebra are allowed on Test 2, Test 3 and the Final Exam. **Your calculator memory may be viewed during those exams 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. 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. Email the instructor or call the Math Department Office (480-965-3951) and leave a message or directly notify your instructor.

Final Exam: Tuesday. December 10th, **7:10-9:00 pm**. Location: to be announced. The final exam is comprehensive through section 9.4.

Tutoring:

- The Math Tutor Center (free of charge) in PSA 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
- The Engineering Tutor Center (free of charge) in ECF 100 will be open approximately the same hours Mon – Fri. as the Math Tutor Center.
- Many residence halls and the Memorial Union also offer evening or weekend free tutoring to all ASU students enrolled in math courses as part of the Student Success Centers.

Come in for help before it is too late, and several days before an exam day to strengthen your preparation. In order to be admitted to the Tutor Center each student must present their valid ASU Sun Card.

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.

ATTENDANCE: Attendance is mandatory! Your instructor will take attendance. For classes that meet three days a week, the maximum number of absences is six. Students who exceed the number of allowed absences will receive a grade of **EN.**

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.

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.

Extra Practice Problems

SECTION	PROBLEMS FROM TEXTBOOK
5.5	1-19 odd, 33, 35, 37, 39, 40, 45, 46, 48
6.1	1, 2, 5, 9-12, 17, 20, 22, 23
6.2	2, 4, 5, 7, 9, 17, 18, 19, 20, 39-44
6.3	1-3, 7-10, 15, 17, 19, 21, 23
6.4	3-6, 10, 19, 21
6.6	3, 5, 6, 8, 9, 13, 16, 17, 21, 23, 24, 30, 32
6.5	1, 2, 3, 8, 15, 29, 33
7.1	1-4, 8, 9, 12, 15, 29
7.2	2-5, 9, 12, 13, 14, 32, 33, 38, 41, 42, 43
7.3	2-6, 10, 11, 15, 17
7.4	2, 3, 7, 9, 12, 15
7.6	1, 2, 5, 6, 9, 10, 12, 15, 16, 17, 18
8.1	3, 4, 6, 8, 9, 11, 14, 17, 18, 24, 27, 29
8.2	7-10, 15, 18, 21, 25, 26, 31, 32, 39
8.4	2, 19, 20, 21, 24, 25, 26
8.5	3, 5, 7, 8, 9, 11, 14, 15, 18
8.6	3-8, 13, 15, 16, 26, 28, 29
8.7	2, 4-7, 11-14, 18, 23- 25, 27, 32, 36, 37, 41, 47, 48, 52, 53, 54
8.8	3, 6, 7 (optional section)
9.1	5-8, 11-18
9.2	3-5, 9-11, 13, 14, 16, 17, 18, 26, 28, 29, 37, 39
9.3	3, 5, 7, 10, 13, 16, 17, 46, 47, 49, 51, 52
9.4	1, 2, 5-8, 11, 15, 33, 34, 35

The School of Mathematical and Statistical Sciences Policies and Procedures

Course Withdrawal Deadline	**November 6th, 2013**
Complete Withdrawal Deadline	**December 6th, 2013**

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 Math 266. 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.

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, 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.

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 pursed 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.

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.

In the "Student Academic Integrity Policy" manual, ASU defines "Plagiarism [as] using another's words, ideas, materials or work without properly acknowledging and documenting the source. Students are responsible for knowing the rules governing the use of another's work or materials and for acknowledging and documenting the source appropriately." A grade of **XE** is reserved for "failure for academic dishonesty." Please check the following website for details: http://provost.asu.edu/academicintegrity

Disability Accommodations: If you have a disability that needs accommodating, please report this privately to the instructor **by the end of the first week of class**. You should also contact the Disability Resource Center at (480) 965 – 1234 (voice) or (480) 965 – 9000 (TTY). All efforts will be made to ensure you have equal opportunity to succeed in the course.