

SPRING 2017 MAT 271
MAT 271: Calculus II

Instructor: Mark Ashbrook	Office: ECA 209
Email: : Mark.A@asu.edu	Office Hours: Mon 1230 - 2, Wed 11 - 1230
Telephone: 5-8369 (Don't leave message → EMAIL)	Instructor URL: Blackboard

Course description: Methods of integration; applications of calculus, elements of analytic geometry, improper integrals, sequences, and series, parametric equations and polar coordinates. The sequence MAT 270, 271, 272 may be substituted to satisfy requirements for MAT 290 and 291.

Enrollment requirements: Pre-requisites: MAT 265 or 270 with C or better; Students with credit for MAT 291 may not enroll in MAT 271

Course Materials: Calculus, Early Transcendentals, Briggs and Cochran, 2nd Edition (any version). WebWork online homework system.

Graphing Calculator: A graphing calculator is recommended for this course. Examples of highly recommended models are the TI83 and 84. Calculators with QWERTY keyboards or those that do symbolic algebra, such as the Casio FX2, Casio9970Gs, TI-89, TI-92, or HP 50G cannot be used during exams or quizzes.

Topic Calendar

<i>Wk</i>	<i>Dates</i>	<i>Topics covered, Tests and Important Dates</i>
1	Jan. 9-13	Meanings in and of the Fundamental Theorem of Calculus
2	Jan. 16-20	Monday MLK DAY, No class Undoing the Chain Rule; Undoing the Product Rule
3	Jan. 23-27	Trig Integrals, Partial Fractions, Substitution Techniques
4	Jan 30-Feb 3	Integration by Tables, Improper Integrals TEST #1 FRIDAY FEB 3
5	Feb. 6-10	Using Integration to Find Areas & Simple Volumes
6	Feb. 13-17	More Volumes, Arc Length
7	Feb. 20-24	Physics Applications
8	Feb. 27-Mar 3	Catch Up & Review TEST #2 FRIDAY MAR 3
9	March 6-10	SPRING BREAK, No classes
10	March 13-17	Sequences and Series Basics, Geometric Series
11	March 20-24	Alternating Series, Tests for Convergence
12	March 27-31	Power Series, Writing Functions as Series
13	April 3-7	Taylor and Maclaurin Series TEST #3 FRIDAY APR 7
14	April 10-14	Parametric Functions and Their Calculus
15	April 17-21	More Calculus of Parametric Functions, Polar Graphing
16	April 24-28	The Calculus of Polar Functions
	Tuesday, May 2	FINAL EXAM Tuesday May 2nd, 7 pm Location TBA

Grade Allocations		Min. % for Grades	
Tests*	40%	A	90%
Homework & Quizzes	30%	B	80%
Final Exam	30%	C	70%
Total	100%	D	60%
*No test will be dropped		E	<60%

Class Expectations and Keys to Success

- Attend class regularly and take careful notes
- Review notes after class and complete on-line homework and suggested review problems
- Note any problems you don't understand; ask questions in recitations and office hours
- Keep track of which problems cause you trouble and practice additional examples of that same problem type
- Review your notes daily to prepare for quizzes and upcoming exams

Attendance Policy:

- Attendance is mandatory and unannounced quizzes may be given during class
- Make-up exams will only be given for school-sanctioned activities, religious holidays, or illness with a doctor's note (which will be checked for authenticity); Students should notify me in advance if possible if you must miss an exam; notify your teaching assistant about missed quizzes in recitation.

As a courtesy to the Instructor and Other Students: Leave cell phones and other electronics off except when used to respond to clicker questions. Distracting behavior is grounds for dismissal from class and/or forced withdrawal from the course.

American Disability Act. Please schedule an appointment to see me during office hours if you have any questions, concerns, or if you have a disability that will require accommodations in this class.

Departmental and University Policies and Procedures

Course withdrawal deadline	Sunday, April 2
Complete withdrawal (In person)	Friday, April 28

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.

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. 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.

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 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 (<http://students.asu.edu/final-exam-schedule>) 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 in which the course is offered. 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. *The Dean of the student's college must approve any exceptions to these rules.*

STUDENT CONDUCT STATEMENT: Students are required to adhere to the behavior standards listed in Arizona Board of Regents Policy Manual Chapter V – Campus and Student Affairs: Code of Conduct (http://www.abor.asu.edu/1_the_regents/policymanual/chap5/5Section_C.pdf), ACD 125: Computer, Internet, and Electronic Communications (<http://www.asu.edu/aad/manuals/acd/acd125.html>), and the ASU Student Academic Integrity Policy (<http://www.asu.edu/studentaffairs/studentlife/srr/index.htm>).

Students are entitled to receive instruction free from interference by other members of the class. If a student is disruptive, an instructor may ask the student to stop the disruptive behavior and warn the student that such disruptive behavior can result in withdrawal from the course. 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>.

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

ACADEMIC HONESTY:

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. Violations of academic integrity include, but are not limited to, cheating, fabrication, tampering, plagiarism or facilitating such activities. 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>.

DISABILITY ACCOMMODATIONS: Qualified students with disabilities who will require disability accommodations in this class are encouraged to make their request to me at the beginning of the semester either during office hours or by appointment. **Note:** Prior to receiving disability accommodations, verification of eligibility from Disability Resource center (DRC) is required. Disability information is confidential.

ESTABLISHING ELIGIBILITY for DISABILITY ACCOMMODATIONS: Students who feel they will need disability accommodations in this class but have not registered with the Disability Resource center (DRC) should contact DRC immediately. Their office is located on the first floor of the Matthews Center Building. DRC staff can also be reached at: (480)-965-1234 (Voice), (480)-965-9000 (TTY). Their hours are 8:00 AM to 5:00 PM Monday through Friday. For additional information visit: www.asu.edu/studentaffairs/ed/drc