

Course Number

Mat 266

Course Title

Calculus for Engineers II

Credits

3

Prerequisites

- Mat 265 or Mat 270 with C or better

Cell phone and internet device policy

Cell phones and any internet capable devices are not allowed during an exam (except for the computer you are working on)

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.

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 83/84 calculators or Casio fx-9750 Plus. Calculators with QWERTY keyboards or those that do symbolic algebra, such as the Casio FX2, Casio 9970Gs, TI-89, or TI-92 *cannot* be used in class or during an exam.

Course Topics, Schedule & Grading

ACTIVITIES/Webwork homework	DUE DATE All Webwork assignments are due at 11:58pm on dates shown
WEEK 1: TOPIC(S)	
5.1 - 5.4 Review	
5.5 Substitution	9/5/15
6.1 Integration by Parts	9/5/15
6.2 Trigonometric integrals and substitution	9/5/15
WEEK 2: TOPIC(S)	
6.2 Trigonometric integrals and substitution	9/5/15
6.3 Partial Fractions	9/5/15
6.4 Integration with tables	9/5/15
6.5 Numerical integrals	9/5/15
WEEK 3: TOPIC(S)	
Test 1 (Week 1 and Week 2 material)	9/6/15
6.6 Improper Integral	9/19/15
7.1 Area	9/19/15
7.2 Volume	9/19/15
WEEK 4: TOPIC(S)	
7.3 Shell method, 7.4 Arc length	9/19/15
7.6 Physics application	9/19/15
8.1 Sequence	9/19/15
WEEK 5: TOPIC(S)	
Test 2 (Use of ProctorU is mandatory.) (Week 3,4 material)	9/20/15
8.2 Series	10/08/15

8.4 Convergence tests	10/08/15
8.5 Power series	10/08/15
WEEK 6: TOPIC(S)	
8.6 Representing functions as power series	10/08/15
8.7 Taylor and Maclaurin series	10/08/15
9.1 Parametric curves	10/08/15
9.2 calculus with parametric curves	10/08/15
WEEK 7: TOPIC(S)	
9.2 Polar curves	10/08/15
9.4 Areas and Lengths in polar coordinates	10/08/15
Final (Cumulative, must use ProctorU)	10/09/15

Grading

Grade	Percentage
A	90 – 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
E/F	Below 60%

Grading Procedure

Your grades will be available from Blackboard. The weighted average will give you the current grades.

Webwork - 20 %

Introduction to webwork will not be graded.

Absolutely NO extension of due dates and time. Unstable internet connection is not an acceptable excuse for not finishing on time. Your final Webwork score is based on the OVERALL average of the homework. If your overall average score is 95% or more, you get the full credit for homework. If your overall average score is 90% or more, your homework score will be 95 % of the assigned points, etc.

Test 1 - 25%

Test 2 - 25 %

Final - 30 %

There is no written homework collected but following problems are strongly recommended for your practice.

Practice Problems - Optional

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

Communicating With the Instructor

This course uses a discussion board called "Piazza" for general questions about the course. Prior to posting a question, please check the syllabus, announcements, and existing posts. If you do not find an answer, post your question. You are encouraged to respond to the questions of your classmates. If you are not in the Piazza system, go to the Piazza main page and look up the course "Mat 266 Vaz" and use the access code "mat266".

Email questions of a personal nature to your instructor or assigned IA. You can expect a response within 48 hours.

Online Course

This is an online course. There are no face-to-face meetings. You can log into your course via MyASU or <https://my.asu.edu>.

"Students who receive financial aid and need to maintain minimum GPAs and/or completion rates should be aware that since there is no physical class attendance in an online class, online instructors will certify last days attended/participated based on verifiable participation only, such as submitted assignments, exams taken, participation in online discussion such as piazza, or communicating with the instructor by email. Instructors cannot certify attendance based on your assurances that you watched videos, read powerpoints, etc."

Email and Internet

ASU email is an [official means of communication](#) among students, faculty, and staff. Students are expected to read and act upon email in a timely fashion. Students bear the responsibility of missed messages and should check their ASU-assigned email regularly.

All instructor correspondence will be sent to your ASU email account.

Course Time Commitment

This three-credit course requires approximately 135 hours of work. Please expect to spend around 18 hours each week preparing for and actively participating in this course.

Late or Missed Assignments

Notify the instructor **BEFORE** an assignment is due if an urgent situation arises and the assignment will not be submitted on time. Published assignment due dates (Arizona Mountain Standard time) are firm. Please follow the appropriate University policies to request an [accommodation for religious practices](#) or to accommodate a missed assignment [due to University-sanctioned activities](#).

Submitting Assignments

All assignments, unless otherwise announced, **MUST** be submitted to the designated area of Blackboard. Do not submit an assignment via email.

Drop and Add Dates/Withdrawals

This course adheres to a compressed schedule and may be part of a sequenced program, therefore, there is a limited timeline to [drop or add the course](#). Consult with your advisor and notify your instructor to add or drop this course. If you are considering a withdrawal, review the following ASU policies: [Withdrawal from Classes](#), [Medical/Compassionate Withdrawal](#), and a [Grade of Incomplete](#).

Grade Appeals

Grade disputes must first be addressed by discussing the situation with the instructor. If the dispute is not resolved with the instructor, the student may appeal to the department chair per the [University Policy for Student Appeal Procedures on Grades](#).

Student Conduct and 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>. Additionally, required behavior standards are listed in the [Student Code of Conduct and Student Disciplinary Procedures, Computer, Internet, and Electronic Communications policy](#), and outlined by the [Office of Student Rights & Responsibilities](#). Anyone in violation of these policies is subject to sanctions.

[Students are entitled to receive instruction free from interference](#) by other members of the class. An instructor may withdraw a student from the course when the student's behavior disrupts the educational process per [Instructor Withdrawal of a Student for Disruptive Classroom Behavior](#).

Appropriate online behavior (also known as *netiquette*) is defined by the instructor and includes keeping course discussion posts focused on the assigned topics. Students must maintain a cordial atmosphere and use tact in expressing differences of opinion. Inappropriate discussion board posts may be deleted by the instructor.

The Office of Student Rights and Responsibilities accepts [incident reports](#) from students, faculty, staff, or other persons who believe that a student or a student organization may have violated the Student Code of Conduct.

Prohibition of Commercial Note Taking Services

In accordance with [ACD 304-06 Commercial Note Taking Services](#), written permission must be secured from the official instructor of the class in order to sell the instructor's oral communication in the form of notes. Notes must have the notetaker's name as well as the instructor's name, the course number, and the date.

Course Evaluation

Students are expected to complete the course evaluation. The feedback provides valuable information to the instructor and the college and is used to improve student learning. Students are notified when the online evaluation form is available.

Syllabus Disclaimer

The syllabus is a statement of intent and serves as an implicit agreement between the instructor and the student. Every effort will be made to avoid changing the course schedule but the possibility exists that unforeseen events will make syllabus changes necessary. Please remember to check your ASU email and the course site often.

Accessibility Statement

In compliance with the Rehabilitation Act of 1973, Section 504, and the Americans with Disabilities Act as amended (ADAAA) of 2008, professional disability specialists and support staff at the Disability Resource Center (DRC) facilitate a comprehensive range of academic support services and accommodations for qualified students with disabilities.

[Qualified students with disabilities may be eligible to receive academic support services and accommodations.](#) Eligibility is based on qualifying disability documentation and assessment of individual need. Students who believe they have a current and essential need for disability accommodations are [responsible for requesting accommodations and providing qualifying documentation](#) to the DRC. Every effort is made to provide reasonable accommodations for qualified students with disabilities.

Qualified students who wish to request an accommodation for a disability should contact the DRC by going to <https://eoss.asu.edu/drc>, calling (480) 965-1234 or emailing DRC@asu.edu. To speak with a specific office, please use the following information:

ASU Online and Downtown Phoenix Campus University Center Building, Suite 160 602-496-4321 (Voice)	Polytechnic Campus 480-727-1165 (Voice)
West Campus University Center Building (UCB), Room 130 602-543-8145 (Voice)	Tempe Campus 480-965-1234 (Voice)

Computer Requirements

This course requires a computer with Internet access and the following:

- Web browsers ([Chrome](#), [Internet Explorer](#), [Mozilla Firefox](#), or [Safari](#))
- [Adobe Acrobat Reader](#) (free)
- [Adobe Flash Player](#) (free)
- Microphone (optional) and speaker

Technical Support

This course uses Blackboard to deliver content. It can be accessed through MyASU at <http://my.asu.edu> or the Blackboard home page at <https://myasucourses.asu.edu>

To monitor the status of campus networks and services, visit the System Health Portal at <http://syshealth.asu.edu/>.

To contact the help desk call toll-free at 1-855-278-5080.

Student Success

This is an online course. To be successful:

- check the course daily
- read announcements
- read and respond to course email messages as needed
- complete assignments by the due dates specified
- communicate regularly with your instructor and peers
- create a study and/or assignment schedule to stay on track