

MAT 267: CALCULUS III FOR ENGINEERS – Fall 2026

Faculty and Course Information

Instructor: Scott Surgent

Email: surgent at asu dot edu

Class times: T-Th 4:30-5:45 & 6:00-7:15pm

Locations: 4:30 class: SCOB 250; 6:00 class: SCOB 150

Office Hours: T-Th 3-4pm and by appt.

Office: ECA-208

Session C: (16 Weeks) 8/20/2026 – 12/4/2026.

SLN: 4:30 class: 61328; 6:00 class: 62226

Prerequisites: MAT 266 or MAT 271 (Calculus II) or its equivalent with a grade C or better.

Catalog Description: Vector-valued functions of several variables, partial derivatives, and multiple integration.

Canvas: There will be a Canvas site for announcements, grade documentation, and learning resources, accessible through MyASU.

This is an in-person class only, as designated in the ASU class schedule. There will be no Zoom live-streaming available, and lectures will not be recorded.

Calculators: A graphing calculator is recommended. Graphing calculators that perform symbolic manipulation (e.g., TI89, Casio FX2, or 9970G) are not allowed for tests. The allowed calculators are TI83, TI83+, TI84, TI84+, TI85, TI86, TI36xPro, Casio CFX-9850GB Plus, CASIO FX9750GII, CASIO FX-CG10, TI- Inspire CX (note that TI-Inspire CX-CAS is **not** allowed).

Textbook and Online Homework and Assignments

Textbook: *Essential Calculus, Early Transcendentals, 2nd Edition* by James Stewart, Thomson (Brooks/Cole). The book is not required but is highly recommended as a learning aid.

15% Homework: All homework for this class will be completed through Edfinity, an online homework program. A paid subscription to Edfinity is required. Edfinity contains questions pertaining to each topic, the due dates for which are listed on the website. No extension of due dates will be given. To enroll in our Edfinity section, please follow the steps below:

1. **Important:** Upgrade to the latest version of Google Chrome or Firefox on a Windows/Mac computer. Other browsers, such as Safari, may cause issues when you access Edfinity via Canvas.
2. Log in to your Canvas course.
3. Click on the Edfinity link in the Course Navigation Menu (on the left side of Canvas) to launch into Edfinity - you will automatically be signed into Edfinity. You **should not** sign up directly on edfinity.com.
4. The first time you access Edfinity, you will be prompted to either pay using a debit/credit card (\$46) **OR** enter an access code. If you need to purchase through the bookstore due to financial aid or a scholarship, use this direct link to [purchase Edfinity through the ASU bookstore](#).
5. Please enroll directly on Edfinity. This guarantees you the best price available. If (and only if) you are on financial aid, purchase Edfinity access codes through the bookstore. Remember, enrolling in Edfinity is the most cost-effective option. There is a 2-week grace period during which you may drop the course and receive a refund.

10% Quizzes: may be given without advance notice to encourage attendance, and no make-ups will be allowed. All quizzes will be open-note activities, and students can work alone or with a partner, if they are comfortable with it. The lowest quiz score will be dropped from the final grade calculation.

50% Midterm Tests: There will be 3 midterm exams throughout the semester. Make-up tests will only be granted in the event of a documented emergency, and the instructor must be notified before the test is given.

Test 1: Week of 9/14 – 9/18 (Sections 10.1-10.9)

Test 2: Week of 10/19 – 10/23 (Sections 11.1-11.7, 12.1-12.3)

Test 3: Week of 11/16 – 11/20 (Sections 12.5-12.7, 13.1-13.4)

25% Final Exam: There will be a comprehensive final exam at the end of the semester. The final exam will be on Tuesday, December 8, 7:10-9:00 PM. Location TBA. (The final exam will include sections 13.5-13.7)

- **Drop Deadline:** the last day to drop a class without receiving a grade of 'W' is 8/2/2026
- **Course Withdrawal Deadline:** the last day to withdraw from the class is 11/4/2026.
- **Complete Withdrawal Deadline:** the last day to withdraw from all your classes is 12/4/2026.

Grading Scale and Method of Evaluation

Assignment	Percentage
Test 1: Sections 10.1 – 10.9 (Thursday, September 17) Test 2: Sections 11.1-11.7, 12.1-12.3 (Thursday, October 22) Test 3: Sections 12.5-12.7, 13.1 – 13.4 (Thursday, November 19)	50%
FINAL: Cumulative and include sections 13.5-13.7 (Tuesday, December 8)	25%
Online Homework Online Homework via Edfinity. No extension of due dates will be given. Students who complete a homework assignment at least 24 hours before its due date will receive a 3% bonus. Homework may still be submitted up to 24 hours after the deadline; however, late submissions will incur a penalty equal to 20% of the homework score.	15%
Quizzes may be given in class unannounced. No make ups.	10%

Grades will be based on your overall weighted percentage. The letter grade assignments are shown below.

A: [90-100]; B: [80,90); C: [70,80); D: [60,70); E: below 60.

Plus/minus are used for students near cutoffs and never to a student's detriment.

Schedule

<i>Week</i>	<i>Dates</i>	<i>Sections/Comments</i>
1	8/20	Brief introduction 10.1: 3D Coordinate Systems
2	8/25-8/27	10.2 Vectors 10.3 The Dot Product 10.4 The Cross Product
3	9/1-9/3	10.5 Equations of Lines & Planes 10.7 Vector Functions & Space Curves 10.8 Arc Length
4	9/8-9/10	Labor Day Observed no classes on 9/7 10.9 Motion in Space 11.1 Functions of Several Variables
5	9/15-9/17	Review TEST 1 (Sections 10.1 – 10.9) Thursday 9/17 11.3 Partial Derivatives
6	9/22-9/24	11.4 Tangent Planes & Linear Approximations 11.5 The Chain Rule 11.6 Directional Derivatives & The Gradient Vector
7	9/29-10/1	11.7 Maximum & Minimum Values 12.1 Double Integrals over Rectangles
8	10/6-10/8	12.2 Double Integrals Over General Regions 12.3 Double Integrals in Polar Coordinates
9	10/13-10/15	Fall Break, no class on 10/10-10/13 12.5 Triple Integrals
10	10/20-10/22	Review TEST 2 (Sections 11.1-11.7, 12.1-12.3) Thursday 10/22 12.6 Triple Integrals in Cylindrical Coordinates
11	10/27-10/29	12.7 Triple Integrals in Spherical Coordinates 13.1 Vector Fields
12	11/3-11/5	13.2 Line Integrals 13.3 The Fundamental Theorem for Line Integrals
13	11/10-11/11	13.4 Green's Theorem Veterans Day Observed no classes on 11/11 13.5 Curl & Divergence
14	11/17-11/19	Review TEST 3 (Sections 12.5-12.7, 13.1 – 13.4) Thursday 11/19 13.6 Parametric Surfaces & Their Areas

Week	Dates	Sections/Comments
15	11/24	13.6 Parametric Surfaces & Their Areas (continued) 13.7 Surface Integrals Thanksgiving Holiday Observed no classes on 11/26-11/27
16	12/1-12/3	13.7 Surface Integrals (continued) Final exam review
17	12/8	Final Exam (Cumulative and including sections 13.5-13.7) December 8, 7:10-9:00 PM. Location TBA

Tutoring

- The [Math Tutor Center](#) (free of charge) in WXL R A 116 will be open M-Th 10:00 a.m. - 5:00 p.m., Fri. 10:00 a.m. - 3:00 p.m.
- The [Engineering Tutoring Center](#) provides tutoring in ECF 102 and ECG 104.
- The [ASU Math Community Center](#) in WXL R A 303 is an excellent place to get help for this class. The MCC is open M-Th, 9:30 am to 5 pm, Friday 9:30 am to 4:00 pm.

General Studies Gold Syllabus Statement

This course fulfills the ASU Mathematics General Studies requirement. Students completing this course will be able to:

1. Demonstrate an understanding of mathematical relationships from multiple perspectives, such as functions from graphical, numerical, and analytic points of view.
2. Apply mathematical skills in the solution of real-life problems.

Exams - Cell phones and Electronic Devices

All exams will be taken in the classroom on the dates indicated in the syllabus.

Non-CAS graphing calculators are allowed on the exams, but graphing calculators that do symbolic algebra are not allowed on the exams (see below). Your calculator may be viewed during exams, and it will be taken away if it is a CAS calculator or if anything suspicious is written therein; its memory will be cleared. The instructor has the right to regard any suspicious material in your calculator memory as cheating.

Any student who accesses a phone or any internet-capable device during an exam for any reason automatically receives a score of zero on the exam. All such devices must be turned off, put away, and made inaccessible during the exam. Accessing any such device for any reason will result in a score of 0 for the exam. This includes smart watches. Your instructor reserves the right to ask you to remove your watch during an exam. Notes or "cheat sheets" are not allowed during exams.

Grading Procedure

Grades reflect your performance on assignments and adherence to deadlines. Grades are based only on academic work and are calculated using the same criteria for all students. It is 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.

The Y grade is **not** an option for this class.

Student Success

To be successful:

- attend class
- read announcements
- read and respond to course email messages as needed
- complete assignments by the due date specified
- communicate regularly with your instructor and peers
- create a study and/or assignment schedule to stay on track
- plan to allocate 6–10 hours per week of coursework (Arizona Board of Regents require 135 total hours of coursework for a 3-credit course)
- **tutoring services** can be found through the Tutor Search tab [Academic Support Network](#). You can also find support at the [Math Tutoring center](#) and the [Engineering Tutor Center](#).

Late or Missed Assignments

Notify the instructor **BEFORE** an assignment is due if an urgent situation arises and you are unable to submit the assignment on time. Follow the appropriate University policies to request an [accommodation for religious practices](#) or to accommodate a missed assignment [due to University-sanctioned activities](#).

Classroom Behavior

Classroom disturbances, such as talking loudly or showing disrespect to students/faculty, will not be tolerated. Electronic devices such as cell phones, tablets, laptops, and music players may be used only for classroom-related activities. Non-course-related use is prohibited.

An instructor may withdraw a student from a course when the student's behavior disrupts the educational process under USI 201-10 [Link to ASU's student behavior guidelines](#). Students are required to adhere to the ABOR Student Code of Conduct: [Link to ABOR Student Code of Conduct](#).

Final Exam Make-up Policies

The final exam schedule listed in the Schedule of Classes will be strictly followed. Except for resolving 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 arises or a student has more than three exams on a given 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 the Downtown Phoenix campus, the Tempe campus, the Polytechnic campus, the West campus, and/or off-campus classes. Make-up exams will NOT be given for non-refundable airline tickets, vacation plans, work schedules, weddings, family reunions, or other such activities. Students should consult the final exam schedule before making end-of-semester travel plans. Exceptions to the schedule and requests for make-up examinations can be granted only by the school's Director or Associate Director, 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 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.

Email

ASU email is an [official means of communication](#) among students, faculty, and staff. Students are expected to read and act upon emails in a timely fashion. Students bear the responsibility of missed messages and should check their ASU-assigned email regularly. Please **do not** use the Canvas inbox for messages. ***All instructor correspondence will be sent to your ASU email account.***

All E-mail communication must be done from your ASU account. Due to FERPA (Family Educational Rights and Privacy Act), E-mails received from other accounts will not be answered.

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: [Link to academic integrity policies](#).

Copyrighted Materials

Students must refrain from uploading to any course shell, discussion board, or website used by

the course instructor or other course forum, material that is not the student's original work, unless the students first comply with all applicable copyright laws; faculty members reserve the right to delete materials on the grounds of suspected copyright infringement. **The content of this course, including lectures and other instructional materials, are copyrighted materials. Students may not share outside the class, including uploading, selling, or distributing course content or notes taken during the conduct of the course.** Any recording of class sessions is authorized only for the use of students enrolled in this course during their enrollment in this course. Records and excerpts of recordings may not be distributed to others. Any (parts of) exams, assignment, reports, or solutions to these, from current or previous semester, posted to any website not affiliated with ASU will result in academic integrity disciplinary actions against the students posting them and the students using them.

Additional Course Policies

- Students are responsible for assigned material whether or not it is covered in class. Students are responsible for material covered in class whether or not it is in the text. Working regularly on assigned problems and attending class are essential in order to do well. Expect to spend at least 6–10 hours weekly on homework/labs. You are expected to read the text, preferably before the material is covered in class.
- Make-up exams are at the discretion of the instructor and only in case of documented emergency. In any case, no make-up exams will be given unless the student has notified the instructor through email before the test is given.
- Cellular phones and laptops can be used in class only for classroom-related activities (e.g., online quizzes). Quizzes may be given in class unannounced.

Disability Resources

Establishing Eligibility for Disability Accommodations: Students who feel they will need disability accommodations in this class but have not registered with the Student Accessibility and Inclusive Learning Services (SAILS, formerly called DRC) should contact SAILS immediately. SAILS staff can also be reached at: 480-965-1234 (V), 480-965-9000 (TTY). Their hours are 8:00 AM to 5:00 PM, Monday through Friday. For additional information, visit: [Student Accessibility and Inclusive Learning Services](#) .

Qualified students who will require accommodations in this class are encouraged to make their requests to me at the beginning of the semester either during office hours or by appointment. Prior to receiving such accommodations for our class, verification of eligibility from the Student Accessibility and Inclusive Learning Services (SAILS) is required. Such disclosed information is confidential.

Policy Against Threatening Behavior

All incidents and allegations of violent or threatening conduct by an ASU student (whether on- or off campus) must be reported to the ASU Police Department (ASU PD) and the Office of the Dean of Students. If either office determines that the behavior poses or has posed a serious threat to personal safety or to the welfare of the campus, the student will not be permitted to return to campus or reside in any ASU residence hall until an appropriate threat assessment

has been completed and, if necessary, conditions for return are imposed. ASU PD, the Office of the Dean of Students, and other appropriate offices will coordinate the assessment in light of the relevant circumstances. For more information, please visit [Safety](#) , [Code of Conduct](#) and [Respond Behavior](#).

Excused Absences

1. **Absences related to religious observances/practices:** If you will be absent from class due to a religious observance or practice, it is your responsibility to inform the instructor during the first week of class. Your instructor will work with you on alternative, reasonable arrangements for any missed time.
2. **Absences related to university-sanctioned events and activities:** If you will be absent from class due to participation in a university-sanctioned event/activity, it is your responsibility to inform the instructor during the first week of class. Your instructor will work with you on alternative, reasonable arrangements for any missed time.
3. **Absences related to illness or quarantine:** If you will be unable to attend class due to an illness or quarantine, it is your responsibility to notify the instructor and speak with them about possible accommodations based on your circumstances.

Inclusion

The School of Mathematical and Statistical Sciences encourages faculty to address and refer to students by their preferred name and gender pronoun. If your preferred name is different than what appears on the class roster, or you would like to be addressed using a specific pronoun, please let your instructor know.

Reporting Title IX Violations and Policy on Sexual Discrimination

Title IX is a federal law that provides that no person be excluded on the basis of sex from participation in, be denied benefits of, or be subjected to discrimination under any education program or activity. Both Title IX and university policy make clear that sexual violence and harassment based on sex is prohibited. An individual who believes they have been subjected to sexual violence or harassed on the basis of sex can seek support, including counseling and academic support from the university. If you or someone you know has been harassed on the basis of sex or sexually assaulted, you can find information and resources at [sexual violence prevention](#).

Arizona State University is committed to providing an environment free of discrimination, harassment, or retaliation for the entire university community, including all students, faculty members, staff employees, and guests. ASU expressly prohibits discrimination , harassment, and retaliation by employees, students, contractors, or agents of the university based on any protected status: race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity, and genetic information.

As a mandated reporter, I am obligated to report any information I become aware of regarding alleged acts of sexual discrimination, including sexual violence and dating violence. ASU Counseling [Services](#) is available if you wish to discuss any concerns confidentially and privately.

Other SoMSS and University Policies and Procedures

AI: This course assumes that work submitted for a grade by students, including all drafts, brainstorming, and final projects, will be created without the use of generative AI. The use of Artificial Intelligence (AI) tools (e.g., ChatGPT, Gemini, Copilot, etc.) for generating student-attributed content is **not permitted** in this class. This includes the use of generative AI tools in reports/assignments, discussion board posts, portfolios, presentations, and related assignments. The use of these generative AI tools on assignments will be considered a violation of the [ASU Academic Integrity Policy](#), and students may be subject to sanctions for non-allowable use in this course.

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. **Remember to check your ASU email and the course site often. Any in-class, Canvas, or e-mail announcements are considered an official addendum to this syllabus.**