**Course Syllabus**

**Course Number**

MAT 265: SLN 16693

**Course Title**

Calculus for Engineers I

**Credits**

3

**Prerequisites**

- Prerequisite(s): MAT 170 with C or better OR Mathematics Placement Test with a score of 60% or higher and the Advanced Mathematics Placement test with a score of 38 or higher (or ALEKS score of 67% or higher). Credit is allowed for only MAT 265 or MAT 270

**Faculty**

Name: Carla van de Sande  
Office: ECA 227  
Phone: 480-965-1877  
Email address: carla.vandesande@asu.edu

**Catalog Description**

Limits and continuity, differential calculus of functions of one variable, introduction to integration.

**Course Overview**

The purpose of the course is to gain a working understanding of limits and continuity, differential calculus of functions of one variable and integration. You will be introduced to the derivative as a function, differentiation formulas, and will investigate applications of differentiation. Both definite and indefinite integrals are introduced, with sigma notation as needed. The Fundamental Theorem of Calculus is presented, and an emphasis is placed on the meaning of integrals.

**MAT 265 Course Format**

1. Each chapter has sections and each section has two videos, labeled part one and part two. Students are responsible for watching the two long video presentations for each section. The powerpoint slides in pdf form accompany each video.
2. Some sections also have short videos that target specific problems.

3. There are online homework assignments, chapter exams, a mastery exam, and a final exam. The final exam is comprehensive, covering all of the content in the course.

Textbook Information

- Both the textbook and the assignments (homework and exams) are hosted at WebAssign
- Our class key for WebAssign isasu 7273 5726

Graphing Calculator

Highly recommended models are the TI-nspire & 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-nspire CAS cannot be used during a quiz or test.

Technical Requirements & Support

* Computer Requirements

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

- A web browser (Chrome, Internet Explorer, Mozilla Firefox, or Safari)
- Adobe Acrobat Reader (free)
- Adobe Flash Player (free)
- Microphone and speaker
- See http://clientportal.softwaresecure.com/support/index.php/Knowledgebase/Article/View/252/0/system-requirements-remote-proctor-now for the technical requirements for taking exams

* Technical Support

This course uses LearningStudio to deliver content. It can be accessed through MyASU at http://my.asu.edu or the LearningStudio home page at http://ecollege.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 you have two options:

- chat/email: http://247support.custhelp.com/
- call toll-free at 1-855-278-5080, option 3
Course Topics, Deadlines, & Grading

* Course Deadlines

Note: This is a self-paced course. Assignments can be submitted at any time. However, below is a list of hard deadlines. **A strongly suggested schedule for completing assignments can be found on the Course Calendar so that you stay on track.** You will not succeed if you leave assignments until right before the deadline.

**DEADLINES**

*all times are Arizona MST*

Chapter 1: Limits and Continuity

- **Saturday, January 21 at 11:59pm**: Chapter 1 Review due
- **Saturday, January 21 at 11:59pm**: All Chapter 1 Assignments & Section Mixed Reviews Due
- **Saturday, January 21 at 11:59pm**: Chapter 1 Exam Due

Chapter 2: Derivatives

- **Wednesday, February 1 at 11:59pm**: Chapter 2 Review due
- **Wednesday, February 1 at 11:59pm**: All Chapter 2 Assignments & Section Mixed Reviews Due
- **Wednesday, February 1 at 11:59pm**: Chapter 2 Exam Due
- **Wednesday, February 8 at 11:59pm**: Mastery Exam Due

Chapter 3: Inverse Functions

- **Saturday, February 11 at 11:59pm**: Chapter 3 Review due
- **Saturday, February 11 at 11:59pm**: All Chapter 3 Assignments & Section Mixed Reviews Due
- **Saturday, February 11 at 11:59pm**: Chapter 3 Exam Due
- **Wednesday, February 15 at 11:59pm**: Mastery Exam Review Part 1 and Part 2 Due
- **Wednesday, February 15 at 11:59pm**: Mastery Exam Two (if required) Due
Chapter 4: Application of Differentiation

- **Saturday, February 23 at 11:59pm: Chapter 4 Review due**
- **Saturday, February 23 at 11:59pm: All Chapter 4 Assignments & Section Mixed Reviews Due**
- **Saturday, February 23 at 11:59pm: Chapter 4 Exam Due**

Chapter 5: Integrals

- **Tuesday, February 28 at 11:59pm: Chapter 5 Review due**
- **Tuesday, February 28 at 11:59pm: All Chapter 5 Assignments & Section Mixed Reviews Due**
- **Tuesday, February 28 at 11:59pm: Final Exam Review Due**
- **Tuesday, February 28 at 11:59pm: Final Exam Due**

* Grades: How is my course grade determined?

- Small homework assignments: 10% all together
- Section Mixed Reviews: 5% all together
- Chapter Reviews: 10% all together
- Chapter Exams: 10% each x 4 = 40%
- Mastery Exam: 5%
- Final Exam: 30%

* Is there extra credit?

- There is a 5% bonus for completing the chapter and exam reviews at least 72 hours ahead of the due date.

* What if I miss a deadline?

Because answers become available after the due dates, the instructor cannot grant extensions on any assignments or exams. Therefore, 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.

* Course Letter Grade

- A: 90% and above
• B: 80% - 89%
• C: 70% - 79%
• D: 60% - 69%
• E: below 60%

* 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.

Homework

* Access

• There is no charge for using the online homework system for this class.
• Online Homework will be submitted online via the Internet using the online homework system, WebAssign
• Our class key for WebAssign is asu 7273 5726

* How the homework works

• Each chapter section is divided into short (usually 4-6 problems) homework assignments by problem type (for example 1.3 is divided up into three short homework assignments called 1.3.1, 1.3.2, and 1.3.3)
• Except for the first homework assignment in each chapter, in order to unlock each homework assignment, you have to complete at least 75% of the previous assignment (for example, to unlock 1.3.2, you must first score 75% or more on 1.3.1)
• You have multiple attempts on the problems.
• After you have finished the short assignments for each section, you can unlock the section mixed review.
• Finally, at the end of each chapter, there is a chapter review that you can unlock after you have done the short homework assignments.
• Be aware of all due dates. A strongly suggested schedule for completing assignments can be found on the Course Calendar.

Exams

* Access

• All exams are remotely proctored through RPNow. This means you must download the software onto your computer, and then you will be recorded as you take an exam. You will find a step-by-step guide to taking exams in the Exam Information area of the course BlackBoard. When you are ready to take your first exam, you will go to the Step 1: Take My Proctored Exams (RPNow) area of BlackBoard. From there you will start the process of testing your microphone, showing your photo ID, and showing the room in which you are
taking the exam. After you are finished with this process, you will be directed back to BlackBoard as an entry into the exam.

* Content

- There are four chapter exams, a mastery exam, and a final exam. You will have 120 minutes for each chapter exam and for the mastery exam. You will have 180 minutes for the final exam.
- Unlike the homework assignments, you will not have multiple attempts on the exams.
- All exams are closed book and closed notes.
- Make sure to write down your work and any answers you submit as you take the exam.
- You will be allowed to use a graphing calculator on the exams. However, you may not use any calculator that does symbolic algebra.

* The Mastery Exam: What is it and how is it graded?

- The Mastery Exam tests your understanding of differentiation. You will be asked to take the derivative of 20 functions.
- You have two chances to take the Mastery Exam.
  - If you score 85% or higher the first time you take the Mastery Exam, you will receive a score of 100% in the gradebook and you do not need to retake the exam.
  - If you score less than 85% the first time you take the Mastery Exam, you must take it a second time. The score for this second time is capped at 85% meaning that, if you score 85% or higher, you will only receive a score of 85% in the gradebook. If you score less than 85% the second time you take the exam, you will receive 85% of your score in the gradebook.

How do I get help?

* Online course

This is an online course. There are no face-to-face meetings.

* Non-math questions and communication

- 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.
- You may contact your instructor at carla.vandesande@asu.edu or call me at 480-965-1877
- If you contact me via email, put MAT265online in the subject line and send e-mail from your asu.edu account. All correspondence will be directed to your asu.edu account.
- Please understand that, because of FERPA regulations, I will not be able to discuss your grade via email.

* Math questions
You can post math questions on Piazza, our course forum. The system is highly catered to getting you help fast and efficiently from classmates, the TA, and myself. Content-related questions and comments only are to be posted. If you have any problems or feedback for the developers email team@piazza.com.

TAKE NOTE: Recently, the company has added a Piazza Careers service. This is something that you can choose to add to your Piazza account, but is not required for this class. Please read these two key user privacy sections from the Piazza Terms of Use before opting into the service.

Under FERPA:

If you choose to opt-in to Piazza Careers, you consent to the release of information you added to your user profile, which may include education records, to companies that participate in Piazza Careers. These companies will have access to selected information in your user profile.

Under Proprietary Rights:

The Service may include advertisements, which may be targeted to the User Content or information on the Service, queries made through the Service, or other information. The types and extent of advertising on the Service are subject to change. In consideration for Piazza granting you access to and use of the Service, you agree that Piazza and its third party providers and partners may place such advertising on the Service. You may have the opportunity to opt-out of advertising. We do not give your User Content or information to advertisers without your consent. Piazza Careers is a program where users can learn about and connect with companies to explore job opportunities. Participation in Piazza Careers is wholly optional and you may opt-out of the program at any time.

The entire terms of use can be found at the following link.

https://piazza.com/legal/terms

Success in the Course

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, using the course calendar as a guide.
- make use of Piazza, the course forum, to ask (and perhaps answer) math questions

ASU policies

* 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

ASU expects and requires its students to act with honesty, integrity, and respect. Required behavior standards are listed in the Student Code of Conduct and Student Disciplinary Procedures, Computer, Internet, and Electronic Communications policy, ASU Student Academic Integrity 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.

* Accessibility Statement

In compliance with the Rehabilitation Act of 1973, Section 504, and the Americans with Disabilities Act of 1990, 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 their campus DRC.

Tempe Campus
http://www.asu.edu/studentaffairs/ed/drc/
480-965-1234 (Voice)
480-965-9000 (TTY)

Polytechnic Campus
http://www.asu.edu/studentaffairs/ed/drc/
480-727-1165 (Voice)
480-727-1009 (TTY)

West Campus
http://www.west.asu.edu/drc/
University Center Building (UCB), Room 130
602-543-8145 (Voice)

Downtown Phoenix Campus and ASU Online
http://campus.asu.edu/downtown/DRC
University Center Building, Suite 160
602-496-4321 (Voice)
602-496-0378 (TTY)

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.