

MATH 125 – Calculus I
Section 007-TR
Fall 2017

Instructor: Dr. Houssam Abdul-Rahman

Office Hours: Tuesday 3:30 - 4:30, Wednesday 11:00 - 12:00, and by appointment.

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Webpage: <http://math.arizona.edu/~houssam>

Course Webpage: <http://math.arizona.edu/~calc>

Course materials: The course materials include the textbook (*Calculus Single Variable*; Sixth Edition by Hughes-Hallett et al.; published by Wiley) and access to the online homework system (WebAssign). These course materials are being delivered digitally via D2L through the Inclusive Access program. For more information, visit the FAQs page at shop.arizona.edu/inclusive.

Course Objectives: Math 125 is an introduction to first-semester calculus for engineering, science and math students, with an emphasis on understanding, problem solving, and modeling. Upon completion of the course, the student will: be able to evaluate limits; use derivatives to analyze and graph algebraic and transcendental functions; select and apply models and differentiation techniques to applications involving, but not limited to, optimization and related rates; apply the Fundamental Theorem of Calculus to evaluate integrals; use estimation techniques to approximate rates of change, area, and total change.

Attendance: Students are expected to attend every scheduled class. The UA's policy concerning Class Attendance, Participation, and Administrative Drops is available at:

<http://catalog.arizona.edu/policy/class-attendance-participation-and-administrative-drop>.

- The UA's policy regarding absences for any sincerely held religious belief, observance or practice will be accommodated where reasonable. See: <http://policy.arizona.edu/human-resources/religious-accommodation-policy>.
- Absences pre-approved by the UA Dean of Students (or Dean Designee) will be honored. See: <https://deanofstudents.arizona.edu/absences>.

Classroom Behavior: To foster a positive learning environment, students and instructors have a shared responsibility. We want a safe, welcoming, and inclusive environment where all of us feel comfortable with each other and where we can challenge ourselves to succeed. To that end, our focus is on the tasks at hand and not on extraneous activities (texting, chatting, reading a newspaper, making phone calls, web surfing).

Communication: It is the student's responsibility to keep informed of any announcements, syllabus adjustments or policy changes made during scheduled classes, by email, or through D2L.

Homework: (100 points) Homework will be submitted in two formats throughout the semester. A computer grading program called WebAssign will be used for problems assigned from the text. Hand-written homework showing all work with proper notation will also be submitted. These problems will come from the text and/or from a set of problems created by your instructor. A final homework score based on 100 possible points will be computed.

Calculators: A graphing calculator is a tool that will be used in this course. We recommend any model in the TI-83 or TI-84 series. Models that can perform symbolic calculations (also known as CAS) are NOT allowed on exams and quizzes. CAS models include (but are not limited to) the TI-89, TI NSpire CAS, and HP 50g. Students are not allowed to share calculators during exams and quizzes.

In-Class Exams: (400 points) Three in-class exams are tentatively scheduled for Tuesday, September 12 (100 points); Thursday, October 19 (150 points); and Thursday, November 30 (150 points). All electronic devices must be turned off during all exams. In general, there will be no make-up exams in the course. However, in complex and unusual circumstances which are beyond your control, a make-up exam may be given on a case-by-case basis. This will require providing a detailed account of the situation and supporting documents. Approval in these cases is at the sole discretion of the instructor and/or the dean of students. According to university policy, no exams will be held on the week of December 4.

Final Exam: (200 points) The final exam is a comprehensive common exam. It is scheduled for Tuesday, December 12 from 1:00 – 3:00 PM. Additional information and a study guide can be found at <http://math.arizona.edu/~calc>. The University's Exam regulations will be strictly followed <https://www.registrar.arizona.edu/courses/final-examination-regulations-and-information>.

Grades: Your final course grade will be determined by a percentage of the 700 total possible points in the course. Grades will be no lower than the following:

A: 100-90% B: 89-80% C: 79-70% D: 69-60% E: 59-0%

Note: A grade of C or better in Math 125 or 122B is a necessary prerequisite for Math 129 (Calculus II). Students who receive a D in Math 125 or 122B will receive credit for the course towards graduation requirements, and will be able to use their course for the general education math requirement, but will not be automatically qualified to register for Math 129.

Students with disabilities: Our goal in this classroom is that learning experiences be as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, please let me know immediately so that we can discuss options. You are also welcome to contact the Disability Resource Center (520-621-3268) to establish reasonable accommodations. For additional information on the Disability Resource Center and reasonable accommodations, please visit <http://drc.arizona.edu>. If you have reasonable accommodations, please plan to meet with me by appointment or during office hours to discuss accommodations and how my course requirements and activities may impact your ability to fully participate.

Please be aware that the accessible table and chairs in this room should remain available for students who find that standard classroom seating is not usable.

Students withdrawing from the course: Must be made in accordance with University policy <http://catalog.arizona.edu/policy/grades-and-grading-system#Withdrawal>. You may drop the class without a W through September 4 using UAccess. The class will appear on your UAccess record, but will not appear on your transcript. You may withdraw with a W through October 29 using UAccess. The University allows withdrawals through November 17, but only with the Dean's approval. Late withdrawals are dealt with on a case by case basis, and requests for late withdraw without a valid reason may or may not be honored.

Incompletes: Must be made in accordance with University policies, which are available at <http://catalog.arizona.edu/policy/grades-and-grading-system#incomplete>

University Policies:

- The UA Threatening Behavior by Students Policy prohibits threats of physical harm to any member of the University community, including to oneself. See <http://policy.arizona.edu/education-and-student-affairs/threatening-behavior-students>.
- Students are encouraged to share intellectual views and discuss freely the principles and applications of course materials. However, graded work/exercises must be the product of independent effort unless otherwise instructed. Students are expected to adhere to the UA Code of Academic Integrity as described in the UA General Catalog. See: <http://deanofstudents.arizona.edu/academic-integrity/students/academic-integrity>.
- The University is committed to creating and maintaining an environment free of discrimination; see <http://policy.arizona.edu/human-resources/nondiscrimination-and-anti-harassment-policy>

Note: The information contained in the instructor's course syllabus, other than the grade and absence policies, as deemed appropriate by the instructor, are subject to change with reasonable advance notice. In particular, the dates of midterm exams, the number of exams, and the order in which topics are covered may differ from the dates and arrangement in the tentative weekly schedule.