

MATH 129, Calculus II

Course, Departmental and University Policies Spring 2016

Instructor: Colin Clark

Office: Math 615

Email: colinclark@email.arizona.edu

Personal Webpage: <http://math.arizona.edu/~clark>

Office Hours: TBA

Tutoring Room: MTL 121, Mo.-Th. 11.00 – 4.00 and Fr. 11.00 – 2.00.

Problem Session: Optional 1 unit supplemental course. Math 196N Mo. 3.00 – 4.50.

D2L: <http://d2l.arizona.edu>

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

Text: *Calculus Single Variable*, Sixth Edition by Hughes-Hallett et al. published by Wiley.

WebAssign: Class key is **arizona 7794 4998**. (Details below)

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, HP 50g, and Casio Classpad 330. Students are not allowed to share calculators during exams and quizzes.

Course Objectives: Math 129 covers the fundamentals of the integral calculus. Upon completion of the course, the student will: be able to use techniques of analytical and numerical integration; be able to apply the definite integral to problems arising in geometry and physics; be able to work with the concept of infinite series and be able to calculate and use Taylor series; be able to analyze first order separable differential equations from a numerical, graphical, and algebraic point of view and model physical and biological situations by differential equations.

Attendance: Students are expected to attend every scheduled class. Students who miss the first class meeting may be administratively dropped unless they have made other arrangements. Students may be administratively dropped from the class for 3 unexcused absences.

- 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>.

Communication: Course information and announcements will either be made in class, by email, or posted on the class d2l website. It is the student's responsibility to check for announcements and messages regularly and to verify that they are checking the email account associated with d2l.

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). Students should turn off all electronic devices during class unless the device is deemed necessary for the class by the instructor. This includes, but is not limited to cell phones, mp3 players, and laptops. If you have a disability-related accommodation that involves the use of a computer during class, please discuss this with your instructor in advance.

Student Code of Conduct: Students at The University of Arizona are expected to conform to the standards of conduct established in the Student Code of Conduct. Prohibited conduct includes:

1. All forms of student academic dishonesty, including cheating, fabrication, facilitating academic dishonesty, and plagiarism.
2. Interfering with University or University-sponsored activities, including but not limited to classroom related activities, studying, teaching, research, intellectual or creative endeavor, administration, service or the provision of communication, computing or emergency services.
3. Endangering, threatening, or causing physical harm to any member of the University community or to oneself or causing reasonable apprehension of such harm.
4. Engaging in harassment or unlawful discriminatory activities on the basis of age, ethnicity, gender, handicapping condition, national origin, race, religion, sexual orientation, or veteran status, or violating University rules governing harassment or discrimination.

Students found to be in violation of the Student Code of Conduct are subject to disciplinary action. For more information about the Student Code of Conduct, including a complete list of prohibited conduct, see the following website:

<http://deanofstudents.arizona.edu/accountability/students/student-accountability>

Academic Integrity: Students are responsible to inform themselves of University policies regarding the Code of Academic Integrity. Students found to be in violation of the Code are subject to penalties ranging from a loss of credit for work involved to a grade of E in the course, and risk possible suspension or probation. The Code of Academic Integrity will be enforced in all areas of the course, including, but not limited to, homework, quizzes, and tests. For more information about the Code of Academic Integrity policies and procedures, including information about your rights and responsibilities as a student, see the following website:

<http://deanofstudents.arizona.edu/academic-integrity/students/academic-integrity>

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.

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/codeofacademicintegrity>
<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>

Written Homework / Quizzes (60 Points): Homework will be submitted in two formats throughout the semester. Written homework problems will be assigned from each section in the form of worksheets which will be assigned in class and completed at home. A typical worksheet will consist of three parts. The first part will contain challenging problems on the current or previous sections or the syllabus. Additionally, students will be expected to prepare for upcoming sections, and so the second part of the worksheet will contain problems assigned to guide this preparation. Third, worksheets will have an accompanied quiz, which will take place at the start of the next class period and submitted with the worksheet. These problems will come from the text, WebAssign and/or from a set of problems created by your instructor. All written work must be handwritten neatly and legibly. All work must be shown and notation must be used correctly. Late homework will not be accepted. Students who miss homework due to unforeseen circumstances should discuss the situation with me. At the end of the semester, approximately the lowest 10% of the scores may be dropped and the remaining scores will be scaled into a grade out of 60.

WebAssign (40 Points): A computer grading program called WebAssign will be used for problems assigned from the text. To create a WebAssign account, go to <http://webassign.net>, click on the Class Key button. Our class key is **arizona 7794 4998**. There is a 14-day grace period (from the first day of classes) before you must purchase/ submit your access code for this class. Each time you log-in, you will see a reminder. WebAssign does not accept submissions after the due date, so it is your responsibility to submit your homework on time. Students who miss homework due to unforeseen circumstances should discuss the situation with me. At the end of the semester, the total WebAssign scores will be scaled into a grade out of 40.

In-Class Exams: (400 points) Four in-class exams are tentatively scheduled for Thursday, September 15; Tuesday, October 13; Thursday November 3, and Thursday, December 1. 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 5.

Final Exam: (200 points) The final exam is a comprehensive common exam. It is scheduled for Monday, December 12 from 8:00 – 10:00 am. 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>.

Calculation of Course Grades: There are a total of 700 possible points for the course as shown below:

Written Homework Score (Rescaled)	60
WebAssign (Rescaled)	40
Exam 1 (Sep 15)	100
Exam 2 (Oct 11)	100
Exam 3 (Nov 3)	100
Exam 4 (Dec 1)	100
Final (Dec 12)	200
Total	700

Final Grade: Final grades will be determined by a percentage of the 700 total possible points in the course. Final grades for the class will be no lower than those set forth in the scale below:

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

Note: A grade of C or better in Math 129 is a necessary prerequisite for Math 215 (Linear Algebra), Math 223 (Vector Calculus) and Math 254 (Differential Equations). Students who receive a D in Math 129 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 215, 223, or 254.

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 30 using UAccess. The University allows withdrawals through November 18, but only with the Dean's approval. Late withdraws 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>

Changes to the Course Syllabus: The information contained in the instructor's 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.