

MATH 129 – Calculus II
Section 023 TR 11:00-12:15 pm
Location : ENGR 308
Fall 2015

Instructor: Dr. Saulo Orizaga

Office: Math 510

Phone: use email instead.

Email: sorizaga@math.arizona.edu

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

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

Office Hours: TR 3:30-5:30 pm

Math East 145 T (1:00-2:00)

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

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 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 and to be familiar with the University Class Attendance policy as it appears in the General Catalog. In addition, students with more than 3 unexcused absences may be administratively dropped from the course. See Administrative Drop Policy at <http://catalog.arizona.edu/2014-15/policies/classatten.htm>. 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. Contact me via email or stop by my office to ask me any questions you may have about the course. Students are expected to behave in accordance with the Student Code of Conduct and the Code of Academic Integrity. The guiding principle of academic integrity is that a student's submitted work must be the student's own. University policies can be found at <http://deanofstudents.arizona.edu/policiesandcodes>.

Expected Classroom Behavior

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 need a disability-related accommodation that involves the use of a computer during class, please discuss this with me in advance.

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 (see other side for more information). 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. (We may have quizzes if time allows). A final homework

score based on 100 possible points will be computed. (A tentative way to compute the homework grade will be 75% WebAssign and 25% Hand-written homework.)

In-Class Exams: (300 points) The three in-class exams are tentatively scheduled for Thursday, September 17; Thursday, October 22; and Thursday, December 3. Each exam is worth 100 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.

Final Exam: (200 points) The final exam is a comprehensive common exam. It is scheduled for **Monday, December 14 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 (<http://www.registrar.arizona.edu/schedule2151/exams/examrules.htm>).

Grades: The total number of points available on tests and homework is 600. Grades will be no lower than those set forth in the following table

$540 \leq \text{points} \leq 600$	90% to 100%	A
$480 \leq \text{points} \leq 539$	80% to 90%	B
$420 \leq \text{points} \leq 479$	70% to 80%	C
$360 \leq \text{points} \leq 419$	60% to 70%	D
$0 \leq \text{points} \leq 359$	0% to 60%	E

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.

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.

Instructions for WebAssign: To create an account for this class go to <http://webassign.net>, click on the I Have a Class Key button. Our class key is **arizona 7674 7609**. You must do this even if you have used WebAssign in the past or are using it for another course this semester. 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.

Students with disabilities:

If you anticipate issues related to the format or requirements of this course, please meet with your instructor to discuss ways to ensure your full participation in the course. If you determine that formal, disability-related accommodations are necessary, it is very important that you be registered with Disability Resources (621-3268; drc.arizona.edu). You should notify your instructor of your eligibility for reasonable accommodations in the first week of classes. At that point, you and your instructor can plan how best to coordinate your accommodations.

Students withdrawing from the course:

You may drop the class without a W through September 6 using UAccess. The class will appear on your UAccess record, but will not appear on your transcript. You may withdraw with a W through November 1 using UAccess. The University allows withdrawals through November 20, 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:

The grade of I will be awarded if all of the following conditions are met:

1. The student has completed all but a small portion of the required work.
2. The student has scored at least 50% on the work completed.
3. The student has a valid reason for not completing the course on time.
4. The student agrees to make up the material in a short period of time.
5. The student asks for the incomplete before grades are due, 48 hours after the final exam.

Changes to the Course Syllabus

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.