

Math 109C Applied College Algebra with Data Analysis Course Policy – Spring 2014

Course web page: See www.WileyPlus.com

Required Texts: *Explorations in College Algebra: Course Notes* (complete with WileyPlus access) and *Explorations in College Algebra: Supplements*

Course Objectives

- To promote problem-solving and critical thinking skills through the application of algebraic concepts to common situations.
- To strengthen students' conceptual understanding of mathematics.
- To help students learn to organize, summarize, graph, and analyze data algebraically in order to obtain a better understanding of that data.
- To enhance learning and understanding of mathematical concepts through the integrated use of graphing calculators and spreadsheets.
- To provide an opportunity for student group work, and to promote the teamwork skills necessary for that work.
- To promote and utilize the "Rule of Four": All concepts are explored algebraically, numerically, graphically, and in context with applications.
- To incorporate writing into the curriculum.
- To prepare students for more advanced quantitative courses such as Calculus Concepts for Business Majors, Brief Calculus, Finite Math and Statistics.
- To help strengthen students' general academic skills.

Attendance

Attendance will be taken regularly. Students who miss the first two class meetings will be administratively dropped unless they have made other arrangements. 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/2013-14/policies/classatten.htm>) If you miss a class or anticipate missing, you need to send an email in advance and contact a classmate to get the notes and assignment for the day.

Calculators

A graphing calculator (TI-83, 84, 85 or 86) is required for this course. Calculators that perform symbolic manipulations (such as the TI-89 or TI-92) cannot be used. For in-class exams, quizzes, and the final exam, the only program allowed in your calculator is the QUADRATIC FORMULA program.

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 possibly risk suspension or probation. The Code of Academic Integrity will be enforced in all areas of the course, including, but not limited to, tests and quizzes. For more information about the Code of Academic Integrity policies and procedures, including information about your rights and responsibilities as a student, see <http://deanofstudents.arizona.edu/codeofacademicintegrity>

Classroom 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 Code 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/policiesandcodes/studentcodeofconduct>

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, PDA's, and computers.

Homework/Quizzes/In-Class assignments

Homework will be assigned on a regular basis. If you miss class, it is your responsibility to get the assignment. See your instructor's homework policy for homework details.

Note: All word problems require a written solution. You are encouraged to work with other students in the class, but all work that is submitted in any individual assignment must be uniquely your own. Direct copies of answers from the solutions manual or another student's work will not be accepted, and may be considered a violation of the Code of Academic Integrity.

Teamwork

Students will be collaborating in teams for in-class activities and discussion. It is expected that all group members participate fully in each of the activities and work on being able to communicate and analyze mathematical ideas in a formal context.

This partnership will culminate in three typed analyses of real-world mathematical problems throughout the semester:

Group Analysis 1:	10 points
Group Analysis 2:	20 points
Group Analysis 3:	20 points

Half of the points for each analysis will be allocated for mathematical correctness, the other half allocated for the use of good communication skills to convey a mathematical problem and the tools necessary to solve it.

In-Class Exams

There will be three in-class exams. All exams are closed-book and closed-notes. The exact dates for the in-class exams will be announced by your instructor. As indicated above, all electronic devices must be turned off during exams. Silent and vibrating modes are not allowed. Any questions regarding the grading of exams need to be cleared up within one week after the exam has been returned.

Missed Exams

Students are expected to be present for all exams. If a verifiable emergency arises which prevents you from taking an in-class exam at the regularly scheduled time, you must notify your instructor as soon as possible, and in any case, prior to the next regularly scheduled class. Make-up exams will be administered only at the discretion of the instructor. Generally a make-up exam will not be given unless the student makes advanced arrangements with the instructor and confirms the arrangements with instructor. If a student is allowed to make up a missed exam, (s)he must take it at a mutually arranged time. No further opportunities will be extended. Failure to contact your instructor as stated above or inability to produce sufficient evidence of a real emergency will result in a grade of zero on the exam.

Final Exam

There is a comprehensive final exam. The date and time for the final exam will be Monday, May 12th, 2014, from 8:00 – 10:00 a.m. The location of the final exam will be announced in class and posted on the Math Department home page (<http://math.arizona.edu>).

Students with Disabilities:

If you anticipate barriers related to the format or requirements of this course, please meet with me so that we can discuss ways to ensure your full participation in the course. If you determine that disability-related accommodations are necessary, please register with Disability Resources (621-3268; drc.arizona.edu) and notify me of your eligibility for reasonable accommodations. We can then plan how best to coordinate your accommodations.

Grades

In-class exams total	300 points
Homework and/or daily quizzes	100 points
Group Work	50 points
<u>Final exam</u>	<u>150 points</u>
<i>Total possible points</i>	600 points

You are Guaranteed a Grade of:

- A if you earn at least 540 points (90%)
- B if you earn at least 480 points (80%)
- C if you earn at least 420 points (70%)
- D if you earn at least 360 points (60%)

Please note that neither exam scores nor final grades will be curved, and there is **no** extra credit.

A grade of Incomplete will be given only at the discretion of the instructor, according to University Policy as described at <http://www.registrar.arizona.edu/gradepolicy/incomplete.htm>

Withdrawal

A student may withdraw from the course with a deletion from record through Tuesday, February 11th, 2014, using UAccess. A student may withdraw with a grade of "W" through Tuesday, March 11th, 2014, using a change of schedule form with your instructor's signature.