Math 109C Applied College Algebra with Data Analysis
Course Policy – Spring 2010

Course web page: See www.WileyPlus.com


**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 Business 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/2009-10/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 programs allowed in your calculator are the EVALUATE and QUADRATIC FORMULA programs found in your workbook. See your instructor's homework policy for homework details.

**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 10th, 2010, 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 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), and notify your instructor of your eligibility for reasonable accommodations by Tuesday, January 26th. You will then be able to work with your instructor to plan how best to coordinate your accommodations.

Grades
You are Guaranteed a Grade of:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-class exams total</td>
<td>300</td>
</tr>
<tr>
<td>Homework and/or daily quizzes</td>
<td>100</td>
</tr>
<tr>
<td>Group Work</td>
<td>50</td>
</tr>
<tr>
<td>Final exam</td>
<td>150</td>
</tr>
<tr>
<td><strong>Total possible points</strong></td>
<td>600</td>
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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 February 9th, 2010, using Student Link. A student may withdraw with a grade of "W" through March 9th, 2010, using a change of schedule form with your instructor’s signature.