Math 111 – Fall 2009

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                                     Cell 540-397-3092

Office Hours: I do not have an office this semester but will generally be available immediately following class or by appointment. Please feel free to contact me by email or phone if you feel you need help so that we can find a place and time to meet. I will always schedule a review session between the last class prior to a test/exam and the test/exam.

Text: Mathematical Applications For the Management, Life, and Social Sciences, eighth edition, Harshbarger/Reynolds

Course Objective: At the conclusion of this course, you should be able to use the basic theory of functions, matrices, linear programming, and calculus, especially as they apply to problems from business, the social sciences, and the life sciences.

Attendance: In order to be successful in Math 111, you need to be in class, active, courteous, and involved during the entire class period; therefore, attendance is both expected and required. Some of the topics, procedures, and applications you will be expected to master will be unfamiliar. If you are absent from any class, you will miss both important information and an opportunity for learning. You will probably also miss a quiz that cannot be made up. You should always treat attendance as mandatory. Absences beyond three will lower your final grade by two (2) points per absence. Two tardies will count as one absence. If you accumulate four (4) absences, you will be dropped from the course (DF). If absent, YOU are responsible for all material covered in class; do not come to me for extra help without first obtaining class notes and attempting your assignment.

Homework: The subject matter in Math 111 becomes more difficult as the semester progresses. It is your responsibility to read the textbook; to attend class and take good class notes; to study regularly; to keep up with and work problems assigned soon after the material is covered in class; to critically evaluate your own success in your practice; and to seek help as soon as you find you are having difficulty. Make sure that you not only complete your assignment but that you do enough independent practice to give you confidence in your understanding of each concept in the section and in your ability to transfer that understanding from one application to another. Frequently the exercises are presented in an order which builds up a concept or procedure. When you encounter an even-numbered exercise of which you are unsure, before asking for help, work the associated odd-numbered problems in a logical and organized manner and then check your answers in the back of the textbook. You can often use substitution to check answers to even-numbered exercises with far less effort than working the problems in the first place.

Homework will be assigned most class periods but usually will not be collected or graded. There will be a timed quiz at the beginning of class; questions will be from or similar to homework problems. If you understand the assigned problems, the quiz should not be difficult. If you are late or absent, you will receive a zero on that day’s quiz and will not be allowed a makeup. The two lowest quiz grades will be dropped at the end of the semester.

***You will not be allowed to take a quiz early or late for any reason.***
The Math, Computer Science and Physics department offers a series of discussions that appeal to a broad range of interests related to these fields of study. You are invited to be involved in all of these meetings. As it becomes available, I will post a schedule on Blackboard of these events. I also plan to remind you of these events during class. You will be required to attend at least one MCSP session and write a one-page reaction paper about what you learned. This paper should not be an account of what was discussed but rather should reflect your reaction to what you heard and learned. You will have one week after the MCSP session to submit your paper. If you miss this deadline, you will need to attend another lecture. Most of these lectures are at 5:30 or 7:00 on various days of the week.

The Writing Center @ Roanoke College is located in the Goode-Pasfield Center for Learning and Teaching in Fintel Library. Student writers working in any field of study at any level of competence meet with trained peer writing tutors in informal, one-on-one sessions. Writers may meet with tutors at any point in the writing process, from brainstorming to drafting to editing. The Writing Center is usually open Sunday through Thursday from 4 to 9 pm. Simply stop in or schedule an appointment ahead of time by going to MyRC: Academics and looking for the Writing Center Schedule link. The Writing Center also sponsors writing workshops, grammar crammers, and creative writing playshops. The Fall 2009 schedule will be posted on the website at www.roanoke.edu/writingcenter.

Subject Tutoring, located in the Goode-Pasfield Center for Learning and Teaching in Fintel Library, is available in various academic subjects such as Business & Economics, Foreign Languages, Lab Sciences, Math, CPSC, Statistics, and Social Sciences. All subject tutors are recommended by faculty members and receive training before working with students. Subject Tutoring is usually open Sunday through Thursday; hours vary by subject, so be sure to visit www.roanoke.edu/tutoring for a complete listing of tutorial hours. Questions? Call 375-4949.

The Office of Special Services: The Office of Special Services provides reasonable accommodations to students with identified disabilities. Although Roanoke College does not have special programs for students with disabilities; reasonable accommodations are provided based on the diagnosed disability and the recommendations of the professional evaluator. In order to be considered for special services, students must identify themselves to the Office of Special Services. Students are required to provide specific current documentation of their disability. Reasonable accommodations may include but are not limited to the following: extended time for tests and examinations, testing in a semi-private testing area, proctoring of examinations, use of interpreters, assistive technology, audio recording of lectures, and/or student note-takers. For additional information please contact Pam Vickers, Special Services Coordinator, at 540-375-2247 or email vickers@roanoke.edu.

If you are on record with the College’s Special services as having special academic or physical needs requiring accommodations, please schedule an appointment with me as soon as possible. We need to discuss your accommodations BEFORE they can be implemented. Also, please note that arrangements for extended time on testing or exams in a semi-private setting must be made at least one week before every test/exam.

Technology/Calculator Policy: You will need a calculator for this course, preferably a TI 83/84 family but there will often be times when a calculator will NOT be allowed. If a calculator is used, you will need to show work so that I will be able to tell what you have done. (For example, if you are using a formula, I would expect to see the correct formula, proper values substituted into the formula, any necessary steps, and then the final answer.) An answer with no work shown will generally receive no credit. When calculators are allowed on a test, you may NOT, under any circumstances, share a calculator with another student. (Feel free to bring an extra calculator or
extra batteries.) No electronic devices are allowed during class time, including, but not limited to, cell phones (turn your cell phones off BEFORE you enter class and have them out of sight – yours as well as mine), Palm Pilots, Pocket PCs, Blackberries, computers, music players of any kind, and headphones or earpieces. The use of any electronic device during a quiz, test, or exam is strictly prohibited. Any use of such device will be considered a breach of academic integrity.

**Academic Integrity**: Doing your own work is an important academic responsibility. You pledged to uphold the values and abide by the practices and policies described in the brochure, "Academic Integrity at Roanoke College." It is your responsibility to read this brochure carefully and understand it well. Absolute academic integrity is expected of all students at all times. All work on tests and graded assignments is expected to be your own. Academic dishonesty includes, but is not limited to cheating, taking a test or exam for another person, attempting to obtain or obtaining exams and graded assignments prior to class, turning in another's assignment or work as your own, or providing false or misleading information to receive an extension on an assignment, quiz, test or exam.

**Grading**: Student grades will be weighted on the following basis:
- Tests (12% each X 4 tests) 48%
- Assignments/Quizzes/attendance/class participation 22%
- Final Exam 30%

**Tests**: Four tests will be given throughout the semester. **Tentative** tests dates are:
- Test 1 Tuesday, Sept 15
- Test 2 Thursday, Oct 1
- Test 3
- Test 4 Tuesday, Dec 1

You will not be allowed to make up any test or exam resulting from an absence unless you can prove to my satisfaction that you should receive an excused absence. (I am very difficult to satisfy!) If you are on a sport/academic team and anticipate an absence due to an activity, please have the coach provide me with a schedule of said activities. As a rule, any missed quiz or test will need to be taken prior to the absence.

***No test grades will be dropped when calculating averages.***

**Grading Scale**: Your final grade assigned according to the following scale.

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<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>93-100</td>
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<tr>
<td>A-</td>
<td>90-92</td>
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<tr>
<td>B+</td>
<td>87-89</td>
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<tr>
<td>B</td>
<td>83-86</td>
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<tr>
<td>B-</td>
<td>80-82</td>
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<td>C+</td>
<td>77-79</td>
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<tr>
<td>C</td>
<td>73-76</td>
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<tr>
<td>C-</td>
<td>70-72</td>
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<td>D+</td>
<td>67-69</td>
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<tr>
<td>D</td>
<td>63-66</td>
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<tr>
<td>D-</td>
<td>60-62</td>
</tr>
<tr>
<td>F</td>
<td>Below 60</td>
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**Blackboard**: I will often communicate with you and will post assignments, announcements, answers, and keys on Blackboard. I will use Blackboard to record your grades but it will NOT be used to calculate grades.

**Final Exam**: The final exam will be cumulative and will cover equally all material presented in this course. As scheduled, Block 10 exam be given Tuesday, December 15, from 8:30 – 11:30. You may reschedule your exam ONLY if you have three exams on the same day.

***Do not request an early exam so that you may leave school early.***