Math 2010 Multivariable Calculus and Matrix Algebra: Grading and Course Policies

The advance grade for the course is a grade computed prior to the final exam. The course grade is your final grade for the course.

The advance grade will be computed as follows:

- Exam 1: 30%
- Exam 2: 20%
- Exam 3: 30%
- Quizzes: 20%

The final exam will be required for everyone, and must be taken AT THE TIME AND LOCATION ASSIGNED unless an excuse is approved and verified by the Student Experience Office. It will be cumulative, and will also be the only exam coverage for the last quarter of the course. The course grade will be determined in whichever of the following two ways produces the highest grade:

(A) course grade = 80% advance grade and 20% Final Exam  
(B) course grade = 60% advance grade and 40% Final Exam

The idea is that a good performance on the final exam can help you substantially whereas a single bad day on the final won’t destroy your course grade utterly.

Calculators are not permitted for in-class exams or quizzes. The course grade will be obtained numerically based on the scheme described above, and letter grades will be computed as follows:

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\begin{align*}
\geq 93 &= A \\
90 - 92 &= A- \\
87 - 89 &= B+ \\
83 - 86 &= B \\
80 - 82 &= B- \\
76 - 79 &= C+ \\
72 - 75 &= C \\
67 - 71 &= C- \\
62 - 66 &= D+ \\
57 - 61 &= D \\
< 57 &= F
\end{align*}
\]

Additional Course Policies and Information:

1. Course Learning Outcomes: Upon successful completion of the course, students will be able to demonstrate:

   - the ability to solve multivariable optimization problems
   - the ability to evaluate differential form line integrals using path independence and the Fundamental Theorem of Line Integrals when appropriate
• the ability to use Green’s Theorem to evaluate circulation line integrals
• the ability to solve linear systems using Gauss-Jordan elimination
• the ability to compute the inverse of a non-singular matrix and use it to solve a linear system
• the ability to find a basis for and the dimension of subspaces relating to solving linear systems
• the ability to compute the eigenvalues and corresponding eigenvectors of a square matrix

2. **Homework:** Every few weeks, a set of homework problems will be given out. While these problems will not be collected, you are expected to attempt all of the current problems prior to your recitation class so you will be prepared for the discussion of those problems, and for recitation quizzes, which will be closely based on the assigned homework.

3. **Quizzes:** The quizzes will be given in recitation and will typically last 10 minutes and will consist of one or two problems designed to make sure you are keeping up with the homework. There will be nine quizzes during the semester. The dates and coverage of these quizzes appear on the course web page. If you miss a quiz without a documented excuse, you will receive a zero and will not be allowed to make the quiz up. The lowest quiz grade will be dropped.

4. **Academic Integrity on Exams and Quizzes:** All work submitted in a quiz or exam must be your own. Collaborating on a quiz or examination is not permitted. Academic dishonesty may result in an exam or quiz grade of zero and a report to the Dean of Students. Additional penalties may be imposed and can be harsh; check the section on Academic Integrity in the Rensselaer Student Handbook.

5. **Make-Up Exams:** If you must miss an exam because of a prior obligation, you must speak to me about it IN ADVANCE of the exam. If you miss an exam for an unforeseen but valid reason (e.g., illness) you must obtain a verified excuse from the Student Experience Office or a medical professional. If you miss an exam WITHOUT a written excuse (e.g., your alarm didn’t go off, etc.) you MUST contact me within 24 hours of the exam time. You will be required to make the exam up in a timely manner and will be assessed a 15 point penalty for the unexcused absence.

6. **Contesting Grades and Retrieving Graded Work:** If you wish to contest a graded exam or quiz, you must speak to your recitation instructor within **one week** of the date the assignment is first returned in class. After this deadline, the grade will be final. Also, if your work is not picked up within one week of the date the assignment is returned in class, you forfeit all rights to contest the grade.