Course Content: The course covers the topics of vector and matrix operations, systems of linear equations, linear independence, bases, orthonormal bases, rank, linear transformations, and diagonalization. A tentative syllabus will be provided.

The final exam will be given on Wednesday, December 16th, 11:05am-1:05 pm. It will be a Common Time Exam given in a room to be announced.


Prerequisites: Math 1226 or a grade of at least B in VT Math 1225.

Office Hours: MWF 12:30-1:30 pm., TTh 11:00am-12:00noon

Homework: Homework will be assigned at regular intervals and is to be turned in at the designated due-date. These assignments will constitute a portion of the final grade. Students unable to submit an assignment on the date due should contact the instructor beforehand, if possible, or as soon as possible afterwards. Submitted work must present the calculations/logic supporting each answer, documenting its correctness, in a clear, concise and neat manner. Do NOT put your student ID number on any submitted work. At the beginning of the class on the date homework assignments are due, solutions will be presented. At that time, the student will self-grade the work she/he will submit, marking solutions as correct or wrong and adding any potentially helpful comments. I will ultimately assign a homework grade based upon an assessment of the overall quality of the work (correctness, clarity of exposition, neatness, self-grading).

Exams and Evaluation Policy: Three in-class exams and a final exam will be given during the semester. Quizzes may also occasionally be given. The date of these quizzes and exams will be announced in class beforehand. The Math 2114 final grade will be determined as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three exams</td>
<td>60%</td>
</tr>
<tr>
<td>Homework &amp; quizzes</td>
<td>15%</td>
</tr>
<tr>
<td>Final exam</td>
<td>25%</td>
</tr>
</tbody>
</table>

Make-up exams will not generally be given. If a student has, in my judgment, a valid excuse (e.g. documented illness), the final exam will assume the added weight. If the excuse is unacceptable (e.g. forgetfulness), the student is technically entitled to no credit.

Corrected exams, quizzes and homework should be kept in a file by the student until the course is over.

The conversion of numerical to letter grades will be as follows:


Honor System: The honor system will be used during exams and quizzes. With regard to homework, the student need not work in isolation. In fact, discussion of the material with colleagues and the instructor is encouraged. Once the needed help/clarification has been obtained, however, the student must prepare her/his assignment individually; copying of work is forbidden. In subsequently submitting the homework, the student is tacitly affirming that the work represents her/his understanding of the material.

General policy: The above policy statement represents criteria under which the student can demand to be evaluated. These criteria, however, will not be irrevocably adhered to. Changes will be made if, in my judgment, the interests of learning and fairness dictate such change. I also encourage and will appreciate constructive criticism regarding the course. I consider the development of professionalism to be an essential part of your training. Class attendance will be taken; regular class attendance/participation is expected.