Course Syllabus

Course: Mathematics 0147.001.
Course Title: Linear Algebra.
Place: Barton Classrooms BB-202.
Instructor: Conrad, Bruce P.
Instructor Office: Wachman Hall, Room 616.
Instructor Email: conrad@temple.edu.
Instructor Phone: 215-204-2896.
Office Hours: M,W 9:40–10:30; F 14:00–15:00.
Prerequisites: One year of calculus.
Course Goals: Students should learn enough linear algebra to understand its major applications when they are encountered in other courses, such as differential equations.
Topics Covered: Vector spaces and linear transformations; matrix algebra and determinants; systems of linear equations; inner product spaces; eigenvalues & eigenvectors; bilinear forms.
Course Grading: HW/Quiz score, 15%; two exams, 25% each; Final Exam, 35%.
Exam Dates: Exam 1: Monday, October 9
Exam 2: Monday, November 20
Final: Wednesday, December 13, 8:30–10:30.
Attendance Policy: I require attendance. If you have to miss a class, please let me know by e-mail. In borderline cases, one’s attendance record will have an effect on one’s grade.

Homework and quizzes: There will be weekly quizzes. The quiz in the first week will be a pre-test to give me an indication of what knowledge of linear algebra you are bringing to the class, and the grade you receive on this quiz will not be included in your quiz average. Quizzes will always be on Fridays (note that November 22 is a Friday — only at Temple!), and will consist of three problems, randomly selected from homework exercises that were assigned on the Wednesday/Friday of the previous week, or the Monday of the present week. The parameters of the problems will usually be changed. Because the quiz grade is very important, you should be sure to understand how to do all of the homework exercises that I assign. Do not hesitate to ask — either in class or in my office — about any exercise that gives you difficulty. There is no penalty for asking what you might think is a stupid question! Your lowest quiz grade will be dropped.

We will use the COW in this class for additional homework assignments. Your homework/quiz grade will be a linear combination of the quiz score and your COW score. See Blackboard for a link to COW.
Letter grades:

<table>
<thead>
<tr>
<th>Grade</th>
<th>A</th>
<th>A−</th>
<th>B+</th>
<th>B</th>
<th>B−</th>
<th>C+</th>
<th>C</th>
<th>C−</th>
<th>D</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>93–100</td>
<td>90–92</td>
<td>87–89</td>
<td>83–86</td>
<td>80–82</td>
<td>77–79</td>
<td>73–76</td>
<td>70–72</td>
<td>60–69</td>
<td>0–59</td>
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Make-up Exams:  I can only offer you a make-up exam if you have a documented reason, such as a physician’s note regarding an illness, for missing the exam on its scheduled occurrence. If you miss a quiz and have a documented excuse, I will offer you the opportunity to hand in a written assignment in its place. Only one quiz can be made up in this way. A second missed quiz will be graded 0, and can be the quiz grade that is dropped.

Blackboard:  This course is on Blackboard. You should check the Blackboard site frequently.

The Incomplete grade:  The grade I is reserved for extreme circumstances. It is necessary to have completed almost all of the course with a passing, or near passing average, and to file an Incomplete Contract specifying what is left for you to do. To be eligible for an I grade you need a good reason, and to have missed not more than six of the first twenty-seven classes. You must also have taken both exams, with an average score of at least 55, and have a quiz average of at least 60 over the first nine weeks. The I grade must be accompanied by a default grade that will be used if the I grade is unresolved after 12 months.

Any student who has a need for accommodation based on the impact of a disability should contact me privately to discuss the specific situation as soon as possible. Contact Disability Resources and Services at (215) 204-1280, 100 Ritter Annex, to coordinate reasonable accommodations for students with documented disabilities.

Freedom to teach and freedom to learn are inseparable facets of academic freedom. The University has adopted a policy on Student and Faculty Academic Rights and Responsibilities (Policy # 03.70.02) which can be accessed at http://policies.temple.edu.

Students will be charged for a course unless a withdrawal form is processed by a registration office of the University by the Drop/Add deadline date. The Drop/Add deadline date is published in the Class Schedule each semester and is at the end of the second week of the semester or the third day of each summer session. For this semester, the crucial dates are as follows:

- The last day to drop (tuition refund available) is Monday, September 11.
- The last day to withdraw (no refund) is Monday, October 30.
- The last day of classes is Wednesday, December 6.

During the first two weeks of the fall or spring semester or summer sessions, students may withdraw from a course with no record of the class appearing on the transcript. In weeks three through nine of the fall or spring semester, or during weeks three and four of summer sessions, the student may withdraw with the advisor’s permission. The course will be recorded on the transcript with the instructor’s notation of “W,” indicating that the student withdrew. After week nine of the fall or spring semester, or week four of summer sessions, students may not withdraw from courses. No student may withdraw from more than five courses during the duration of his/her studies to earn a bachelor’s degree. A student may not withdraw from the same course more than once. Students who miss the final exam and do not make alternative arrangements before the grades are turned in will be graded F.