Syllabus for Math 211 (Sec. 01)
Linear Algebra

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Instructor Web Site: www.math.wm.edu/~tomforde

Course Web Site: www.math.wm.edu/~tomforde/Math211.html

Office Hours: MWF 10:00AM – 11:00AM
                 Th 1:30PM – 3:00PM
                 (or by appointment)

Note About Office Hours: I encourage you to come by my office if you have any questions, need help with homework problems, or would just like to talk about the material. You are welcome to come see me at times other than my office hours. If I am available, I will be more than happy to talk with you. Also, if for some reason you are unable to make it to Office Hours, you are welcome to email me to set up an appointment.

Meeting Times: Lecture: MWF 9:00 – 9:50AM in Morton 39.

Course Description: This course covers basic concepts, fundamental techniques, and certain applications of Linear Algebra. Topics include: Linear equations, matrices, determinants, vector spaces, linear transformations, eigenvalues, and orthogonality. We will also attempt to introduce the concept of an "abstract vector space", although this will not be a major component of the course.

Text: The textbook used for this course is *Linear Algebra and Its Applications (Updated 3rd Ed.)*, by David Lay.

Calculator: <u>No calculators will be allowed on exams.</u> If you want to use a calculator on your homework, you are allowed to — but please do so with an awareness that you need to be able to do the problems on the exam without a calculator.

Course Web Page: The course web page is located at

<p align="center">www.math.wm.edu/~tomforde/Math211.html</p>

On the course web page you will find the homework as it is assigned, as well as a copy of this syllabus, dates of exams, and announcements as they are made.

Grading: The final grade for the class will be determined as follows:

Hour Exam 1:	25%
Hour Exam 2:	25%
Final Exam:	35%
Homework:	15%

Exams: There will be three exams: two midterm exams during the semester and one final exam at the end of the semester. The first two exams will be held Friday, Sept. 30 and Friday, Nov. 4. The Final Exam is a "block exam", taken by all sections of Math 112 on Tuesday, Dec. 6 from 8:30–11:30AM. The instructors of the other sections and myself have not yet decided if we will give a common final for all sections, but the final exam time will be at the same time for all sections. It is William & Mary policy that final exams are not subject to rescheduling, so please do not make plans to leave campus until after the final exam.

Hour Exam 1: Friday, Sept. 30, 9:00–9:50AM in class.
Hour Exam 2: Friday, Nov. 4, 9:00–9:50AM in class.
Final Exam: Tuesday, Dec. 6 from 8:30–11:30AM, place TBA.

Homework: A list of homework problems will be given every week on the course web page. These homework problems will be due Monday at the beginning of class. I will not grade all of the problems. Instead, I shall select one problem every week, and then grade and give detailed feedback on that one problem. You will not know beforehand which problem I am going to select, so it is in your best interest to do all the problems. Late homework will not be accepted — however, I will drop your two lowest homework grades when figuring your final grade.

I wish to remind you that even though only one problem per week is graded for points, it is your responsibility to work on all of the assigned problems, and to make sure you are familiar with the material they cover. You

are, of course, welcome to come and talk to me about any of the problems. Furthermore, you should expect to spend approximately 3 hours working on homework outside of class for every one hour spent in class.

Makeup Policy: In general, <u>missing an Exam results in a score of zero</u>, and you will not be allowed to make up the work. Exceptions may be made in the case of extreme circumstances, such as a documented, serious illness. In the event that you cannot be present for an exam, and you believe your circumstances warrant special consideration, you need to speak to me *in advance*, and you need to take the exam *before* (and not after) the rest of the class.

Honor Principal: William & Mary students are expected to adhere to the honor principal. In this course this shall mean the following: Homework can and should be worked on and discussed with others. However, the write-up should be independent and in your own words. In addition, exams shall be worked on independently. The exams are closed books and closed notes, and until they are graded you are not allowed to discuss the problems with anyone except the instructor. In addition, if you are aware of anyone who is cheating or receiving unfair, outside assistance, you are honor bound to inform the instructor of what is occurring.

Tutoring: Although William & Mary does not provide tutoring for Math 211, there is a list of (unofficial) tutors outside the math department secretaries' office in Jones Hall. These are William & Mary students who have taken the class before and are willing to tutor students. Some of these tutors work for free, others charge for their services.

Special Needs: Any student with a disability or chronic health problem for whom special accommodations would be helpful is encouraged to discuss with the instructor the types of assistance that might be offered.