

Math 213 Syllabus  
Spring 2017

### Instructor Information

Professor: Dr. Kirsten Stor

Office: SCI D355

Phone: (715)346-4607

Office Hours: 9:00-9:50 MW, 10:00-10:50 TR

\*Tuesday's office hour will be held in the lobby of the dorm, Suites@201 Reserve.

Email: [Kirsten.Stor@uwsp.edu](mailto:Kirsten.Stor@uwsp.edu)

### Course Information

Title: Linear Algebra

Number/time: Math 213 Section 01, 12:00-12:50 MTWR, SCI A225

Text: *Linear Algebra and its Applications*, 5<sup>th</sup> edition by Lay, Lay and McDonald

#### General Course Goals:

To gain a basic understanding of linear algebra concepts in  $\mathbb{R}^n$ . To be able to think and communicate better mathematically through the study of linear algebra, including some introductory work with mathematical proofs.

#### Course Outline:

Chapter 1: Linear Equations in Linear Algebra (1.1 - 1.5, 1.7-1.9)

Chapter 2: Matrix Algebra (2.1 - 2.3)

Chapter 3: Determinants (3.1 - 3.3)

Chapter 4: Vector Spaces (4.1 - 4.2)

Chapter 5: Eigenvalues and Eigenvectors (5.1 - 5.3)

Chapter 6: Orthogonality and Least Squares (6.1-6.3, 6.5, 6.6)

Additional topics may be covered or assigned as out-of-class reading assignments.

A calculator capable of performing matrix operations is required for this course. The Math Dept. recommends the following Texas Instruments models: TI-83, TI-86. The policy of the Math Dept. does not allow the TI-92 unless special permission is obtained. You may not share a calculator on a quiz or exam. You may not use a cell phone's calculator on a quiz or exam. The use of smart phones and computing devices capable of remote transmission is not allowed during any exam or quiz. Bring your calculator to class daily.

## Grading

Your letter grade will be assigned according to the following pattern:

87-89	B+	
83-86	B	
80-82	B-	etc.

Your grade in this course will be determined by the following weighting scheme:

Homework:	15%
Quizzes:	30%
Three Midterms:	30%
Final Exam:	25%

Homework: There will be regular homework assignments. These will largely consist of odd problems from the textbook. I expect you to check your answers and seek help when needed. I will collect these homework sets and grade them *mostly* for completion. There may be some problems that I ask you to do on Mathematica.

I will accept homework late as follows: Up to one class day late at 80% earned credit, after that at 50% earned credit up to one week after the assignment was due. I will not accept late work after one week.

Quizzes: We will have a short quiz each Thursday over recent material. These are to check that you are keeping up and understand the concepts from class. You might see homework problems show up on the quizzes.

I do not give make-up quizzes. To account for absences out of your control, I will drop your lowest quiz score when computing your quiz average.

Midterms: There will be three in-class midterms. These will be on 2/16, 3/16 and 4/20 and will cover whatever we have done since the previous exam.

If you miss a midterm, I will allow you to make it up (if you contact me before I hand the tests back to the class), but I will not offer full credit for this regardless of the reason for your absence.

Final Exam: The final *will* be cumulative.

The final exam is scheduled for Thursday, May 18<sup>th</sup> 12:30-2:30pm.

## Extra Help

You are highly encouraged to stop by my office for help. My office hours are mostly there for you, as a mid/upper level course.

I also suggest going to the MathRoom, SCI A133A. It is free drop-in tutoring, and open many hours: 9-4pm and 7-9pm MTWR. Not every tutor there will have had Math 213, but many will have. The MathRoom opens the second week of classes.

## Don't Cheat

The university has developed a set of expectations for the conduct of all students and instructors. This set of expectations is known as the *Rights and Responsibilities* document, and it is intended to help establish a positive living and learning environment at UWSP. It is located here: <http://www.uwsp.edu/dos/Documents/CommunityRights.pdf>. For more information see the UWSP "Student Academic Standards and Disciplinary Procedures" section of the *Rights and Responsibilities* document, Chapter 14.

## Special Accommodations

The Americans with Disabilities Act (ADA) is a federal law requiring educational institutions to provide reasonable accommodations for students with disabilities. If you have a disability and require classroom and/or exam accommodations, please register with the Disability and Assistive Technology Center (on the 6<sup>th</sup> floor of the Albertson Hall, room 604) and then contact me at the beginning of the course. Without documentation I cannot give you accommodations. For more information, refer to their webpage here: <http://www.uwsp.edu/disability/>

