

Math 213 Syllabus
Fall 2017

Instructor Information

Professor: Dr. Robert Kreczner

Office: SCI D351

Phone (715)346-4607

Office Hours: Monday 10:00 am –10:50 am and 11:00 am –11:50 am, Wednesday to Thursday 10:00am –11:50 am, or by appointment if the above time is not convenient

Email: rkreczne@uwsp.edu

Course Information

Title: Linear Algebra

Number/time: Math 213 Section 01, 12:00-12:50 M WRF, SCI A207

Text: *Linear Algebra and its Applications*, 5th 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:

A	93-100%	C	73-76%
A-	90-92%	C-	70-72%
B+	87-89%	D+	65-69%
B	83-86%	D	60-64%
B-	80-82%	F	< 60%
C+	77-79%		

Description	Points
4 Midterms	4 x 19% = 76% of final grade
Final Exam	19% of final grade
Attendance	5% of final grade
Total	100%

Homework: There will be regular homework assignments. These will largely consist of some problems from the textbook. I expect you to check your answers and seek help when needed. I will not collect these homework sets or grade them. However, solving these problems will prepare you for a successful passing of exams in class.

Final Exam: The final *will* be cumulative.

The final exam is scheduled for Monday, December 18th 10:15am-12:15pm.

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.

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 6th 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/>.

Rights and Responsibilities: 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.