Syllabus
Spring Semester, 2016
MATH 4513, Linear Algebra I
TR, 9:30–10:50 AM; Humanities 228


Instructor:  Dr. Mark Faucette

Office:  Boyd Building 323

Phone:  My office phone number is 678-839-4133. Call and leave a message on my answering machine. I screen my phone calls, so make sure you leave a message.

E-Mail:  My e-mail address is faucette@westga.edu.

The Web:  My web page is at URL [http://www.westga.edu/~faucette/](http://www.westga.edu/~faucette/). The full course syllabus is located on my web site and can be downloaded as a pdf file. It is the student's responsibility to download and/or to print the syllabus and to follow it.

Office Hours:  My office hours are

- TR: 12:00–2:00 PM
- F: 9:00–11:00 AM, 12:00–2:00 PM

Other times available by appointment. I do not hold office hours during final exam week.

Common Language for Course Syllabi:  Students, please carefully review the following information at the link

[http://www.westga.edu/assetsDept/upaa/Common_Language_for_Course_Syllabi.pdf](http://www.westga.edu/assetsDept/upaa/Common_Language_for_Course_Syllabi.pdf).

It contains important material pertaining to your rights and responsibilities in this class. Because these statements are updated as federal, state, university, and accreditation standards change, you should review the information each semester.
Goals: I see four main goals for us:

(i) To extend the computational skills you learned in Elementary Linear Algebra by studying the theoretical underpinnings of linear algebra.

(ii) To understand the algebraic structures of linear algebra and how they’re preserved under linear maps.

(iii) To continue to learn how to write extended, rigorous mathematical proofs.

(iv) To enjoy the payoff of algebraic rigor and abstraction by studying some newly accessible topics.

Regular Assignments: I will assign a few problems at the conclusion of each class, which are usually due in a few days. You are allowed and encouraged to work together, share ideas, and get help from me.

PLEASE DO NOT USE ANY SOURCES OTHER THAN YOUR TEXT, ME, AND EACH OTHER. Do not consult peers outside of our class, no other professors, and no internet! The idea is to wrestle with the ideas of the course using just the resources given to you in class and in your book.

Tests: You will be given two tests given during the semester. Each test will be administered in two parts, one completed in class and one to be completed outside class.

Final Exam: There will be one comprehensive final examination.

Grades: Your grade will be computed from the following recipe:

- 30% regular assignments and class participation
- 20% Test #1
- 20% Test #2
- 30% final examination
MATH 4513 Lecture Schedule

Tuesday, January 12  
Sections 1.1 & 1.2
Thursday, January 14  
Sections 1.3 & 1.4
Tuesday, January 19  
Section 1.5
Thursday, January 21  
Section 1.6
Tuesday, January 26  
Sections 2.1 & 2.2
Thursday, January 28  
Sections 2.2 & 2.3
Tuesday, February 2  
Section 2.4
Thursday, February 4  
Section 2.5
Tuesday, February 9  
Section 2.6
Thursday, February 11  
Section 3.1
Tuesday, February 16  
Exam 1: Chapters 1 & 2
Thursday, February 18  
Section 3.2
Tuesday, February 23  
Section 3.3
Thursday, February 25  
Section 3.4
Tuesday, March 1  
Section 4.1
Thursday, March 3  
Section 4.2
Tuesday, March 8  
Section 4.3
Thursday, March 10  
Section 4.4
Tuesday, March 15  
Spring Break
Thursday, March 17  
Spring Break
Tuesday, March 22  
Section 5.1
Thursday, March 24  
Section 5.2
Tuesday, March 29  
Exam 2: Chapters 3 & 4
Thursday, March 31  
Section 5.4
Tuesday, April 5  
Section 6.1
Thursday, April 7  
Section 6.2
Tuesday, April 12  
Section 6.3
Thursday, April 14  
Section 6.4
Tuesday, April 19  
Section 6.5
Thursday, April 21  
Section 6.6
Information Sheet
(Please Print)

Name: ______________________________________  Student ID#: ________________

Local mailing address: ________________________  E-mail: ______________________

Phone: ________________________  Year at UWC: ______________________

Math Background (List high school courses and any UWG courses.)

What are you taking this semester?

What is your major/proposed major?

When is your birthday?

Where are you from?