

Office: Science B152
Web site: www.uwsp.edu
email: gadams@uwsp.edu
phone: 715-218-5500

Mathematics 109, sec 03: Mathematics for the Social and Management Sciences
Prereq: Math 100 or suitable placement score
Text: Mathematical Applications For the Management, Life, and Social Sciences, 12th ed.
ISBN: 13337625345
Final Exam: Monday, December 16, 7:15-9:15pm, SCI A208

Course Description:

MATH 109. Mathematics for the Social and Management Sciences. 4 cr. Systems of linear equations, matrices, linear programming, exponential growth and decay, mathematics of finance, differential calculus with emphasis on applications.

MoWed 6:00PM - 7:50PM

Science Building (SCI) A208

George Adams

09/03/2019 – 012/16/2019

Office Hours:

5:30-5:50pm SCI A208, prior to class

7:50-8:20pm SCI A208, after class

By arrangement

Help: Everyone needs help at some point! The key is to get it right away!

- ask questions in class
- ask questions during office hours
- communicate via email
- use the TLC Drop In (DUC 205), Math Room SCI A113A, or schedule individual tutoring (TLC 018)

You should be fully aware of your rights and responsibilities as a UWSP student. These are detailed in the UWSP Community Bill of Rights and Responsibilities found at

<http://www.uwsp.edu/stuaffairs/assessment/Pages/deptAssessment/rightsRespons.aspx> .

In particular, this site includes links to the UWSP Student Academic Disciplinary Procedures,

<http://www.uwsp.edu/dos/Pages/Academic-Misconduct.aspx>

and to the Non-Academic Standards and Disciplinary Procedures.

<http://www.uwsp.edu/dos/Pages/Information%20for%20Students.aspx>.

Information regarding Section 504 of the Rehabilitation Act or the Americans with Disabilities Act can be found at the UWSP Disability and Assistive Technology Center site. To request any accommodations relevant to this class, you should first discuss the matter first with the staff at the Center.

<http://www.uwsp.edu/disability/Pages/toQualifyForDisabilityServices.aspx> .

Attendance: You are expected to attend every class. If you are absent for a legitimate reason, please contact me as soon as possible at: gadams@uwsp.edu .

Arrange for someone to take notes for you if you miss class.

Late work and make up quizzes/exams will only be allowed in exceptional and prearranged circumstances.

Grading: 90% = A, 80% = B, 70% = C, 60% = D

Homework (14%)

10 Quizzes (14%)

3 Exams (14% each)

1 Final Exam (30%)

Homework: All HW must be completed by the assigned due date to receive credit. Only prearranged exceptions are allowed. Please make me aware of any conflicts.

Quizzes and Exams will be completed and written out in class. Some may be multiple choice and some may be short answer.

Calculators Recommended: TI - 30 – XIIS or TI 84+.

In general, non-algebra system, two line display calculators are recommended and encouraged on most activities. Wireless transmission devices are not allowed on any exams. i.e. you can't use your phone, ipad, or computer on an exam.

Attributed to Sir Arthur Conan Doyle, MD, author of Sherlock Holmes:

- *It is a capital mistake to theorize before one has data. Insensibly one begins to twist facts to suit theories, instead of theories to suit facts.*
- *It has long been an axiom of mine that the little things are infinitely the most important.*
- *My mind rebels at stagnation. Give me problems, give me work, give me the most abstruse cryptogram, or the most intricate analysis, and I am in my own proper atmosphere. But I abhor the dull routine of existence. I crave for mental exaltation.*
- *While the individual man is an insoluble puzzle, in the aggregate he becomes a mathematical certainty. You can, for example, never foretell what any one man will do, but you can say with precision what an average number will be up to.*

Attributed to First Lady Eleanor Roosevelt:

- *The future belongs to those who believe in the beauty of their dreams.*
- *Great minds discuss ideas; average minds discuss events; small minds discuss people.*
- *No one can make you feel inferior without your consent.*
- *You must do the things you think you cannot do.*
- *Do one thing every day that scares you.*
- *Do what you feel in your heart to be right - for you'll be criticized anyway. You'll be damned if you do, and damned if you don't.*

Attributed to Coach John Wooden:

- *If you're not making mistakes, then you're not doing anything. I'm positive that a doer makes mistakes.*
- *It's the little details that are vital. Little things make big things happen.*
- *Whatever you do in life, surround yourself with smart people who'll argue with you.*
- *Success is never final, failure is never fatal. It's courage that counts.*
- *Never lie, never cheat, never steal.*
- *Be more concerned with your character than your reputation, because your character is what you really are, while your reputation is merely what others think you are.*

Math 109, Section 03, MW 6-7:50pm, Note: There is a Quiz or Exam **every Wednesday**

Week	Dates	Book	Topic
1	9/4	Chapter 0; Quiz (Quiz 1 is a take home quiz due 9/9)	Algebra Review
2	9/9-9/11	Chapter 1-1.4, Ch. 2.1-2.4; Quiz	Functions and Linear/Quadratic Functions
3	9/16-2/18	Chapter 9.1-9.3; Quiz	Limits, Continuity, and Derivatives
4	9/23-9/25	Chapter 9.4-9.6, Quiz	Power, Product, and Quotient Rules
5	9/30-10/2	Review, Exam 1	
6	10/7-10/9	Chapter 5.1-5.2, , Quiz	Exponential and Logarithmic Functions
7	10/14-10/16	Ch. 11.1-11.2, Ch. 9.9, Quiz	Derivatives of Exponential and Logarithmic Functions
8	10/21 No Class 10/23	Ch. 10.1-10.3, Take Home Quiz due 10/28	Curve Sketching, Extrema, and Optimization
9	10/28-10/30	Ch. 10.4, Exam 2	More Applications
10	*11/4*-11/6 11/4: Late Start: 6:30- 7:50	Ch. 6.1-6.5, Quiz	Geometric Sequences, Annuities, and Amortization
11	11/11-11/13	Chapter 1.5, Chapter 3.1-3.2, Quiz	Matrices and Multiplication
12	11/18-11/20	Chapter 3.3-3.5, Quiz	Gauss-Jordan and Matrix Applications
13	11/25	Chapter 4.1-4.2	Linear Programming
14	12/2-12/4	Chapter 4.3, Exam 3	Simplex Method
15	12/9-12/11	Chapter 4.4-4.5, Exam Review	Simplex Method
Exam	Dec. 16	7:15-9:15, Science Bldg, SCI A208	

