

## Math 109: Mathematics for the Social and Management Sciences Syllabus for Sections 1 and 2 - Fall 2017

Professor Cindy McCabe	Office Hours	Meeting Times
Office: D354 Science Building Phone: 715-346-2085 Email: <a href="mailto:cmccabe@uwsp.edu">cmccabe@uwsp.edu</a> <a href="http://www.uwsp.edu/mathsci">www.uwsp.edu/mathsci</a>	9:00–9:50am Mondays 2:00–2:50am Tuesdays 1:00–1:50pm Wednesdays 12:00–12:50pm Thursdays <i>or by appointment</i>	Mon., Tues., Thurs., Fri. Room 111 CCC (Collins)  <b>Section 1</b> , 10:00 – 10:50am <b>Section 2</b> , 1:00 – 1:50pm

**Text (available for rental):** *College Mathematics for Business, Economics, Life Sciences, and Social Sciences*, 12<sup>th</sup> Ed, by Barnett, Ziegler, & Byleen (Prentice Hall), topics from Chapters 1 – 5 & 10 – 12.

**Calculators:** A scientific calculator or a graphing calculator is required and should be brought to class daily. I recommend a graphing calculator like the TI-83 or TI-84. You may not share resources during exams since I want to know what you can do and allow each of you to show what you can do. Computers, phones, smartwatches, and devices with internet access are not allowed during exams or quizzes. They must be stowed out of sight, set to a silent mode, and not used at these times.

**Prerequisites:** Math 100 or Math 107 or a suitable placement test score.

**Course Goals:** To solve and to develop problem-solving approaches to questions involving finance, systems of linear equations with matrices, basic linear programming, exponential growth and decay, and differential calculus. To understand basic concepts of differential calculus and optimization. To develop quantitative reasoning and communication skills.

**Evaluation:** Final course grades will be determined by the following:

100 points for quizzes (best 4 at 25 pts each; lowest score is dropped)

60 points for in-class work (top 20 scores)

100 points for Exam 1 (in-class on Tues. Oct. 10)

100 points for Exam 2 (in-class on Thurs. Nov. 16)

140 points for the comprehensive final exam (See next page for date & time.)

Total: 500 points for this course

Course Grades at or above	93.3	90	86.7	83.3	80	76.7	73.3	70	66.7	60	%
will receive at least a grade of	466.7	450	433.3	416.7	400	383.3	366.7	350	333.3	300	Points
	A	A -	B +	B	B -	C +	C	C -	D +	D	

I reserve the right to exercise discretion in raising a student's grade if the final weighted average does not appear to reflect the quality of a student's work (for example, because of one low exam score early in the course). I will not use discretionary judgments to lower a student's final grade.

Five regular quizzes, one review quiz, and three exams are listed in the approximate schedule. The **exam dates are set**, so please mark them in your calendar. The lowest one of the five regular quiz grades will be dropped at the end of the semester. The graded **in-class work** will occur typically twice each week, and will often involve some preparation before class (announced the previous class day). The in-class work for a single day will normally be worth three points, and there will be at least 25 chances for these in-class points. This means you can miss five of these days without penalty, or you have multiple chances to earn some of these points. Usually, your score out of three points will be based on evaluations of *satisfactory*, *partially complete*, or *not done/not present*.



Almost every day, a list of **homework** problems will be given in class. Each of these will be a *minimal* list of problems which you need to understand in order to do well in this course. To be successful, it is important to study regularly and ask questions on whatever you don't understand.

**Desire to Learn (D2L):** Homework assignments, course grade information, and other class announcements will be in Desire to Learn (D2L), <http://www.uwsp.edu/d2l/Pages/default.aspx> . To access D2L, use your regular campus login ID and password.

**For Help:** **1)** Ask questions as they arise. Come to see me before or after class or during my office hours, or schedule an appointment with me. **2)** Tutoring services are available through the Tutoring Learning Center. See <http://www.uwsp.edu/tlc/> for information on those. **3)** The Math Help Room, in A113A SCI, provides free walk-in tutoring. Their usual hours are 9am – 4pm and 7pm – 9pm, M-Th.

**Attendance** is expected at every class meeting. It is the student's responsibility to make prompt arrangements with me for finding out what was missed and for making up any assigned work in the case of an absence. Quizzes and exams may only be made up in special circumstances, and normally only if arranged with me ahead of time. If a medical emergency occurs, contact the Dean of Students or the Disability & Assistive Tech. office as soon as possible (contact info. below). Then we can see if an exception is in order.

*Approximate Weekly Schedule - Math 109, Sec. 1, 2 – Fall 2017*

Week	Sections	Other events
1. Sept. 4 – 8	1-1, 1-2, 2-1, 2-2	No class Mon. - Labor Day
2. Sept. 11 – 15	2-3, 2-4, 2-5, 2-6, 3-1, 3-2	Practice Quiz <i>Friday</i> , Sept. 15
3. Sept. 18 – 22	3-2, 3-3, 3-4	Quiz 1 Tuesday, Sept. 19
4. Sept. 25 – 29	10-1, 10-2, 10-3	
5. Oct. 2 – 6	10-3, 10-4	Quiz 2 Tuesday, Oct. 3
6. Oct. 9 – 13	Review, 10-5, 10-7	
7. Oct. 16 – 20	10-7, 11-1, 11-2, 11-3	<b>Exam 1</b> Tuesday, Oct. 10
8. Oct. 23 – 27	11-3, 11-4, 12-1	Quiz 3 Tuesday, Oct. 24
9. Oct. 30 – Nov. 3	12-1, 12-2, 12-4	
10. Nov. 6 – 10	12-4, 12-5, 12-6	Quiz 4 Tuesday, Nov. 7
11. Nov. 13 – 17	12-6, Review, 4-1	<b>Exam 2</b> <i>Thursday</i> , Nov. 16
12. Nov. 20 – 24	4-2, 4-3	No class Th., Fr. - Thanksgiving
13. Nov. 27 – Dec. 1	4-3, 4-4, 4-5, 4-6	
14. Dec. 4 – 8	4-6, 5-1, 5-2	Quiz 5 Tuesday, Dec. 5
15. Dec. 11 – 15	5-3, Review	

**Final Exams:** Section 1 – Wednesday, Dec. 20, 12:30 – 2:30pm, Room 111 CCC  
 Section 2 – Tuesday, Dec. 19, 10:15am – 12:15pm, Room 111 CCC



UWSP is committed to providing reasonable and appropriate **accommodations** to students with disabilities and temporary impairments. If you have a disability or acquire an impairment or injury during the semester and you need assistance, please contact the Disability and Assistive Technology Center as soon as possible, on the 6<sup>th</sup> floor of Albertson Hall (library), at 715-346-3365, or at [DATC@uwsp.edu](mailto:DATC@uwsp.edu). You may also want to visit <http://www.uwsp.edu/disability/Pages/default.aspx>.

All students are expected to know the UWSP student **responsibilities** found on the Dean of Students webpage, where conduct and personal concerns information is also given. For Academic Concerns info <http://www.uwsp.edu/dos/Pages/Academic-Concerns%20for%20Students.aspx>.

**Incompletes:** A grade of incomplete may be given when circumstances arise which are beyond the student's control, and the student is unable to complete the course, and the student is passing when the circumstances arise.