

Math 120, Sections 1 & 2 – Calculus I

Spring 2018 Syllabus

Professor Cindy McCabe Office: D354 Science Building Phone: 715-346-2085 Email: cmccabe@uwsp.edu www.uwsp.edu/mathsci	Office Hours 2:00 – 2:50pm Mondays 9:00 – 9:50am Tues & Thurs 1:00 – 1:50pm Wednesdays <i>or by appointment</i>	Class Meets: M, Tu, Th, F Sec. 1: 8:00 – 8:50am Science A225 Sec. 2: 12:00 – 12:50pm Science A207
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Text (rental): *Calculus: Single Variable with Early Transcendentals*, 8th Edition, by James Stewart, published by Cengage, ISBN 978-1-305-27033-6. Topics include most of Chapters 1 – 5.

Optional Purchase Item: An access code for online homework in *WebAssign* for under \$50. Please wait before purchasing until you hear about the free trial period to be discussed in class.

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.

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.

Prerequisites: Math 118 and Math 119 or a suitable mathematics placement score. Please verify that you have met the prerequisites so you are prepared to have a successful semester. Feel free to ask questions about your preparation or mathematical background.

Learning Outcomes for this course: Students will be able to

- 1) find limits, derivatives, and integrals from graphs and from formulas.
- 2) determine when limits, derivatives, or integrals are useful in applied problems.
- 3) use rules for finding derivatives and integrals and identify which rules apply.
- 4) identify features of a graph, such as maximum/minimum values using derivatives.
- 5) optimize a function or quantity using derivatives, and construct a conclusion using quantitative justification.
- 6) use the Fundamental Theorem of Calculus to relate derivatives & integrals to each other.
- 7) find exact area under a curve and distance traveled, and estimate these quantities.
- 8) communicate their conclusions and justifications using mathematical notation and language and using English sentences. This includes the use of mathematical terminology and theorems.

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Evaluation: Course grades will be determined by the following:

- 100 points for in-class quizzes (best 4 at 25 pts each: lowest score is dropped)
- 72 points for in-class work, possibly in groups, including HW checks (top 24 scores)
- 100 points for Exam 1 (in-class on *Tues. Feb. 27*)
- 100 points for Exam 2 (in-class on *Tues. April 17*)
- 130 points for the comprehensive Final Exam (*Tues. May 15*. See next page for time.)

Total: 502 points for this course

Course Grades at or above	93.3 469	90 452	86.7 435	83.3 418	80 402	76.7 385	73.3 368	70 351	66.7 334	60 301	% Points
will receive at least a grade of	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** and three **exams** are listed in the schedule on the back. The lowest one of the five regular quiz grades will be dropped at the end of the semester.

Almost every day, a list of **homework** exercises will be assigned in class. Students have the option of doing some of the exercises online in *WebAssign* and some on paper, or doing all of them on paper. When you are doing homework, either in *WebAssign* or from the text, take notes or do some work on paper for almost every exercise. Then bring that work to class so you are ready for discussions.

Each assignment will be a *minimal* list of exercises which you need to understand in order to do well in this course. Homework is extremely important to your learning process, so make sure you stay on top of it and ask questions on whatever you don't understand.

There will be **homework checks** at the beginning of class on most days **and other in-class activities** on some days. Usually, your score out of 3 points for in-class work for one day will be based on evaluations of *Solid performance – 3 points*, *Substantial work done – 2 points*, *Partial understanding – 1 point*, or *No contribution – 0 points*. These scores will be based on your *WebAssign* work if applicable, your work done on paper, and your contributions during class that day. The top 24 scores for homework checks and other in-class work will be used in your course grade, leaving at least **four extra days** for times you had to miss class or come to class unprepared.

I do not anticipate other graded items, but if any arise, they will be announced in class and the course points will be adjusted.

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.

Support is available:

- 1) Ask questions as they arise. Come to see me before or after class, stop by during my office hours, or schedule an appointment with me for another time. One of the great parts of my job is working with conscientious students!
- 2) Tutoring services are available through the Math Help Room where there is free drop-in tutoring in SCI A113A. Usual hours are 9am – 4pm and 7pm – 9pm, Mon – Thurs.
- 3) Tutoring services are also available through the Tutoring-Learning Center in ALB 018, including Supplemental Instruction with a tutor for this section of this class. To learn more about your options at the Tutoring-Learning Center, see <http://www.uwsp.edu/tlc/Pages/CA-tutoring.aspx>.



SET UP AN EXERCISE ROUTINE FOR YOUR BRAIN. LET'S MAKE SOME NEW PATHWAYS THIS SEMESTER!

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 6th floor of Albertson Hall (library), at 715-346-3365, or at 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. Information on Academic Concerns is available at <https://www.uwsp.edu/dos/Pages/stu-academic.aspx>. Information on Conduct Concerns and on Personal Concerns are also available on the Dean of Students site.

Incompletes: A grade of incomplete may be given when circumstances arise which are beyond the student's control, and which result in the student being unable to complete the course. A grade of incomplete will only be used if the student is passing when the circumstances arise.

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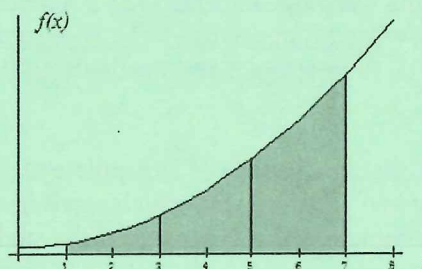
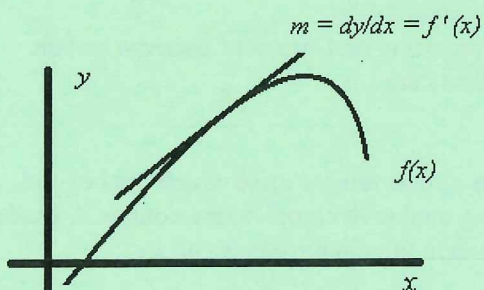
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Weekly Schedule - Spring 2018

Week	Approximate text sections to discuss this week	Events this week
1. Jan. 22 – 26	1.1 – 1.5	
2. Jan. 29 – Feb. 2	2.1, 2.2	Quiz 1 Tuesday
3. Feb. 5 – 9	2.3, 2.4	
4. Feb. 12 – 16	2.5 – 2.7	Quiz 2 Tuesday
5. Feb. 19 – 23	2.7, 2.8, 3.1	
6. Feb. 26 – Mar. 2	Review, 3.2, 3.3	Exam 1 Tuesday, Feb. 27
7. March 5 – 9	3.3 – 3.6	
8. March 12 – 16	3.6 – 3.8	Quiz 3 Thursday
9. March 19 – 23	3.9, 3.10, 4.1	
March 26 – 30		<i>Spring Break – No classes</i>
10. April 2 – 6	4.1 – 4.3	Quiz 4 Thursday
11. April 9 – 13	4.3, 4.4	
12. April 16 – 20	Review, 4.5 – 4.7	Exam 2 Tuesday, April 17
13. April 23 – 27	4.7, 4.9, 5.1, 5.2	
14. Apr. 30 – May 4	5.2 – 5.4	Quiz 5 Tuesday
15. May 7 – 11	5.4, 5.5, Review	

Final Exam Times: Sec 1, A225 SCI: Tuesday, May 15th 10:15am-12:15pm
 Sec 2, A207 SCI: Tuesday, May 15th 8:00-10:00am



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