

Instructor: Prof. Jan Minton 461 Trexler Hall
 Office Hours: Mon & Wed: 2:30 - 4:30
 Tue & Thur: 1:30 - 2:30
 Otherwise by appointment
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Course Objective: Exploration of limits, differentiation, and integration in the spirit of the Rule of Three with emphasis on applications. The Rule of Three stresses *numerical*, *graphical*, and *symbolic* understanding.

Intended Learning Outcomes:

- ... calculate, by hand, rudimentary limits, derivatives, and integrals.
- ... relate concepts of derivatives and integrals to graphs.
- ... apply techniques of differentiation and integration to model and solve problems.

Required Materials **Text:** *Brief Calculus, An Applied Approach* 8th Edition by Larson, Chapters 1-6
Technology: Graphing Calculator
Inquire course management system
YouTube videos

Schedule A target for day-by-day text section coverage is posted on *Inquire*. Homework problems/assignments, video links, and other announcements will be posted to *Inquire* in the Weekly Outline section.

Attendance Policy: Full attendance is expected and you are responsible for everything done and assigned in class. As stated in the college catalog, “Instructors, however, are under no obligation to make arrangements for students who are absent.”
 Also, anytime you come in late or leave during class you miss part of the course and you disrupt the educational experience for everyone else. Do this only in the case of emergency.

Academic Integrity And Electronic Devices: The college policy is fully supported. All tests and quizzes will be closed book and closed notes. Group work is allowed and encouraged on practice problems, but anything turned in for a grade must be written up individually unless otherwise clearly specified.

The use of any electronic device during a quiz or exam is strictly prohibited. Exceptions may be made regarding the use of calculators. Cell phones are never permitted. **Any use of a non-approved device during a quiz, test, or exam will be considered a breach of academic integrity.**

Assignments: Practice problems will be assigned regularly from the textbook. For the most part these will not be graded, but it is important that you do these exercises in a timely fashion so that you can monitor your own progress.

You are expected to watch and learn from all video lessons posted by the instructor. These video lessons will make it possible to use class time for student activities.

Tests/Exam: There will be 4 in-class tests. Make-up tests will be given only under *very* extenuating circumstances that prohibit you from physically appearing in the classroom. The cumulative final exam will be according to the college exam schedule as noted on the day by day course schedule.

Other Grades: Frequent other grades will be taken during the semester. These grades will result from “weekly” quizzes and various hand-in assignments done inside or outside the classroom. Missed work will count as a grade of zero. No make-ups will be given, but the 2 lowest eligible scores in this category will be dropped. Exceptions will be considered only for college related absences and must be resolved BEFORE the absence.

After each video assignment, there will be a very brief quiz at the beginning of the following class meeting. No make-ups. The video quiz average will count as one grade in the “Other” category and is not eligible to drop.

The Math, Computer Science and Physics department offers a series of discussions that appeal to a broad range of interests related to these fields of study. These co-curricular sessions will engage the community to think about ongoing research, novel applications and other issues that face our discipline. Dates and times for these sessions will be made available at a later time and posted on *Inquire*. In addition, flyers about upcoming talks are posted on the third floor of Trexler Hall.

Members of this class are encouraged to be involved with all of these meetings; however participation in **at least one** of these sessions is mandatory. A response form is available on *Inquire*. Within one week of attendance, students must submit this completed form to the instructor by uploading it as an assignment on *Inquire*. No other form of submission will be accepted. This assignment will count in the “Other” category of grades and is not eligible to drop.

Inquire Policy Students are required to be knowledgeable of all postings on *Inquire*. It is each student’s responsibility to consistently (at least daily) monitor *Inquire* for course information. Any assignment that requires an *Inquire* upload will not be accepted in any other form. Also, to receive credit for uploads, the file must be immediately readable on the instructor’s college computer. It is the student’s responsibility to make successful submissions. It is the student’s responsibility to resolve technology problems through the college’s IT department.

Overall Workload: In addition to the 3 hours of class time, you are expected to work outside of class for a minimum of 9 additional hours per week.

Grading:	Test Average	50%	Course	A 93-100	B- 80-82	D+ 67-69
	Other Work Average	25%	Averages:	A- 90-92	C+ 77-79	D 63-66
	Final Exam	25%		B+ 87-89	C 73-76	D- 60-62
				B 83-86	C- 70-72	F below 60

Note: Material, content, and scheduling are subject to change if deemed appropriate or necessary by the instructor.

Math 112 Spring 2016
Block 5

Date	Section
M- Jan 18	1.4
W- Jan 20	1.5
F - Jan 22	1.5
M - Jan 25	2.1
W - Jan 27	2.2
F - Jan 29	2.3
M - Feb 1	2.4
W - Feb 3	Review
F - Feb 5	Test 1
M - Feb 8	2.5
W - Feb 10	2.6, 2.7
F - Feb 12	2.7
M - Feb 15	3.1, 3.2
W - Feb 17	3.2, 3.3
F - Feb 19	3.4
M-Feb 22	3.5
W - Feb 24	3.6
F- Feb 26	3.7
M - Feb 29	Review
W-Mar 2	Workshop
F - Mar 4	Test 2
	Spring Break
M - Mar 14	4.1, 4.2
W - Mar 16	4.3
F - Mar 18	4.4, 4.5
M - Mar 21	4.6
W - Mar 23	4.6
Good Friday	no class
M -Mar 28	Review
W -Mar 30	Test 3
F- Apr 1	5.1
M - Apr 4	5.2
W - Apr 6	5.3
F - Apr 8	Workshop
M - Apr 11	5.4
W - Apr13	5.5
F- Apr 15	6.1
M - Apr 18	6.2
W - Apr 20	Review
F - Apr 22	Test 4
M - Apr 25	Review for Final
M - May 2	Final Exam 2:00-5:00

