

Syllabus for Honors Math 2253 sec. 05H

Fall 2014

Instructor: L. R. Ritter

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Office Hours: M & T 12:30–1:30pm, W 10:30am–noon, R 1:00–2:30pm, and by appointment

Course Home Page <http://educate.spsu.edu/lritter/Ritter2253H.5H.F14.htm>

Course Description: This is a four hour first course in Calculus. Topics to be covered will include, limits, derivatives, some applications of derivatives (e.g. optimization, linearization and approximation, related rates), the fundamental theorem of calculus, and some applications of integration (e.g. computing area/volume, mass and moments, and work). Students will be expected to state and apply basic definitions and theorems. An emphasis will be placed on rigor as well as effective communication (written and oral) as it pertains to course material. We will meet for lecture four times weekly MTRF from 11am–11:50am in H322. Students are expected to attend all lectures and to keep up with course assignments. Most assignments will be posted on the course page <http://educate.spsu.edu/lritter/Ritter2253H.5H.F14.htm>. You should plan on visiting this page often.

Prerequisites: Placement by the Honors Program, and Math 1113 (Precalculus)

Course Texts: *Calculus 7E* by James Stewart ISBN 9780538497817.

Grading and Evaluation: Your course grade will be the weighted average of your score on 4 midterm exams, one comprehensive final exam, a quiz average, and a semester project. **All exams are mandatory.** The grades will be weighted as follows:

Table 1: Grade Weights

Exam I (F 8/29)	Exam II (F 9/26)	Exam III (R 10/23)	Exam IV (F 11/21)	Quiz (Weekly)	Project (11/10-14)	Final (TBA)
10%	15%	15%	15%	10%	15%	20%

A = 90%–100%, B = 80%–89%, C = 70%–79%, D = 60%–69%, F = 0%–59%

Quiz: Two types of quizzes will be given throughout the semester. These are (1) short in class quizzes taken independently, and (2) group quizzes that may be in class, or may be done outside of class and presented to the class the following class day. Suggested homework (from Stewart) will be posted on the course page <http://educate.spsu.edu/lritter/Ritter2253H.5H.F14.htm>, to help you prepare for quizzes as well as exams. The lowest quiz grade will be dropped. The remaining will be averaged to give your quiz grade for the term.

Group Project: In early October, I will assign groups of (most likely) three students a project relevant to course concepts. Each group will be responsible for producing a written technical report on their project as well as giving an in class presentation on the project. The written report will be due Monday Nov. 10. The dates for the presentations will be determined (likely the week of Nov. 10). The project will receive a group grade. However, each student will be given the opportunity to comment confidentially on the contributions of his/her group members. Such information may impact individual assigned grades.

Make-up Policy: Make-up exams will only be allowed for a university approved excuse in writing. Wherever possible, you should inform me prior to missing an exam. **Late quizzes will not be accepted under any circumstances. The two lowest quiz grades are dropped. A late written report for the project will not be accepted.**

Scholastic Dishonesty: Copying work done by others, either in-class or out of class, is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy. Collaboration on assignments, either in-class or out-of-class, is forbidden unless permission to do so is granted by your instructor. For more information on university policies regarding scholastic dishonesty visit <http://www.spsu.edu/undergradcatalog/policiesregulations/regulationsprocedures/index.htm>. The University Honor Code can be viewed here <http://www.spsu.edu/honorcode/> .

Students with Disabilities: Students with disabilities who believe they may need accommodations in this class are encouraged to contact the counselor working with disabilities at as soon as possible to better assure that such accommodations are implemented in a timely fashion. Assistance is through disability services at the ATTIC office (678) 915-7244. The URL is <http://www.spsu.edu/ATTIC/>

Cell Phone, Tablet, Laptop Policy: All cell phones should remain off or silent during class. Laptops and tablets should be put away for the duration of class time. **At no time will still or video photography be allowed during class.**

Attendance Policy: Attendance will be recorded for each class session. Four (4) unexcused absences will be allowed over the course of the semester. Upon a fifth unexcused absence, your final grade for the semester will be dropped by one letter (for example, a "B" will be changed to a "C") regardless of numerical grades. I reserve the right to fail (give a letter grade of "F") to any student with eight (8) or more unexcused absence. Absences will be defined as *excused* as follows

Definition: An absence will be considered excused provided I am informed in advance and explicitly state my approval of the reason for the absence. Or (in emergency situations) there is sufficient evidence that a good faith, timely effort has been made to contact me regarding the necessity of an absence, and the reason for the absence is compelling. Compelling reasons include, but are not limited to, sudden illness of the student or the student's dependent or family member, a transportation related emergency, or unanticipated detainment by police or other authorities.

Table 2: Important Dates

Aug. 13	First Day Fall Term	Aug. 29	Exam 1
Sept. 1	Labor Day	Sept. 26	Exam 2
Oct. 2	Drop Day	Oct. 23	Exam 3
Nov. 10	Project Report Due	Nov. 21	Exam 4
Nov. 26–28	Thanksgiving	Dec. 1	Last Day Fall Term
Dec. 3–8	Final Exams		