

MATH 1910 Calculus I

Instructor: Jonathan Lamb

Term: Fall 2011

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Our Class MyPellissippi Page: <http://mypellissippi.pstcc.edu/cp/home/loginf>

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- ❑ Catalog Course Description: Single variable calculus for students majoring in science, mathematics, engineering, and computer science (or others who just want to have fun). Limits and differentiation of polynomial, rational, trigonometric, exponential and logarithmic functions and their applications. [For a full description view the Master Syllabus online at <http://www.pstcc.edu/departments/adv/syllabi/2010/math/math1910.html>]
- ❑ Course prerequisites: High school algebra I and II and geometry and trigonometry and satisfactory placement test scores (ACT of at least 26 is recommended); or MATH 1730.
- ❑ Course materials
 - Text: Calculus with Early Transcendentals 2nd edition by Jon Rogawski
 - Calculator: A graphing calculator is required, TI-84 or TI-83Plus preferred. TI-89/92 is not permitted.
- ❑ Other Resources
 - **Student's Solutions Manual** - bookstore and Learning Center – I've posted it to our MyPellissippi page too!
 - My **student assistants** – They are ready, willing, and able to help you. I am the only professor with more than one student assistant. Not only that but they are the best three too.
Russell Aqqad: cell 865-806-6413. (Senior in Mechanical Engineering at UTK, had me for 5 classes, state Calculus contest winner, on campus to assist on TR mornings till around 11:30)
Jesse Carmichael: cell 865-548-0677 (Jesse is completing his transfer in Mechanical Engineering to UTK. He is an exceptional student who placed second in state on test covering content through Differential Equations when he was just in my Calculus II class.)
Seth Anderson: cell 865-237-8146 (Seth is another outstanding student. He is majoring in Business/Economics. He choose to take the Calculus I and II classes even though far easier options were available. He is the founder of the Entrepreneurs of Pellissippi club)
 - Handouts on our class MyPellissippi page (will include solutions to ALL quizzes and tests), notes and hopefully some new videos on my faculty webpage for 1910: <http://www.pstcc.edu/facstaff/jwlamb/math1910>
 - "Math Help" web page - <http://www.pstcc.edu/departments/mathematics/>
- ❑ Classroom policy and procedures
 - Attendance
 - Attendance will be taken daily.
 - Student's missing 25% of the class meetings will receive an "F" for the course. (see PSTCC catalog)
 - Please silence cell phones.
 - Homework
 - Homework will be assigned daily (see homework handout) and should be kept in a 3-ring notebook. Some time will be allotted at the beginning of each class period for questions on the homework.
 - A test grade of 100 may be earned IF you have a notebook COMPLETE with ALL homework and class notes (handwritten). This notebook will be looked at as you take final exam and immediately passed back to you.
 - An online homework option will also be offered through CalcPortal. You must make a MINIMUM of 60% on every CalcPortal assignment to earn the 100% credit to replace a test grade.
 - Quizzes – We will have several 10 point quizzes throughout the semester. Most will be announced a class period in advance (No guarantee of that though!). If you have homework complete from section that quiz covers you can score no lower than 5/10 on the quiz. The number of quizzes will not exceed 10.
 - Tests
 - No make-up tests will be given. Let me know if you need to miss in advance.
 - In nearly all cases a test can be given before it is scheduled - if I am informed ahead of time.
 - Your final grade: We will be on a points system. 100 points for each of the 4 tests, 10 points from each quiz throughout the semester. You will have the ability to drop TWO of these four test grades and replace with a 100 if you complete both the book and online homework (CalcPortal). There will also be a 100 point final exam that must be taken and cannot be replaced.
- ❑ Grade Scale: 93 - 100 (A); 88 - 92 (B+); 83 - 87(B); 78 - 82 (C+); 70 - 77 (C); 60 - 69 (D); Below 60 (F)

PLEASE, if you find you are beginning to struggle with any part of this course, see me immediately for extra help! I am very willing to help students if they are willing to put in the work. Our class will have resources available to it that other classes will not have. Take advantage of them to maximize your chance of success in what is typically a difficult class for students.