

Math 2011D Calculus & Analytical Geometry I 5:00pm - 6:40pm M W University Hall 246
Tentative Calendar, Fall 2009, Text: Essential Calculus with WebAssign by James Stewart
Suggested calculator: Any version of TI-83 or TI-84, (NO symbolic calculators like TI-89)

August

M	W
[17] Read Handouts. Work Precal Review 1-8 and Work "Zeno." 1.1: 1, 5, 19, 39, 57 1.3: 1, 5, 11	[19] Turn in "Zeno" from course files Finish Precal Review sheet 9 – 15 1.3: 15, 24, 27, 37 1.4: 5, 9, 21, 23
[24] Meet in UH-223 Turn in Precal Review 1.4: 27, 45 1.5: 3, 23, 31, 39 1.6: 15, 19, 25, 50 Computer Day for signing onto WebAssign	[26] 2.1: 1, 4, 11, 14, 19, 27 2.2: 17, 19, 35 Review sheet Test1 www.aug.edu/~mcsjmb , downloadable files
[31] Quiz on definitions and thms., Review	

September

	[2] Test 1 on Review and 1.1 – 2.2 2.3: 1, 3, 5, 7, 13, 19, 23, 27, 29, 33, 35, 41
[7] (Labor Day Holiday)	[9] 2.4: 1, 3, 5, 7, 13, 21, 31 2.5: 1, 3, 5, 7, 13, 21, 23, 39, 45
[14] 2.6: 3, 7, 17, 23 2.7: 1, 5, 9, 13, 14	[16] 2.7: 17, 20, 23, 28, 34
[21] Formula/Rule quiz 2.8: 11, 21, 24 Review sheet Test2	[23] Calc1Maple01Introduction.mws (Start 3.1: 3, 11, 23, 35)
[28] 3.2: 1, 3, 5, 11, 13 3.3: 3, 5, 7, 21, 33	[30] Test 2 on 2.3 – 2.8 3.4: 5, 9, 29, 33

October

[5] 3.5: 3, 5, 7, 9, 11, 13 Review Sheet Test 3	[7] Rolle, MVTquiz 3.5: 19, 21, 30, 35, 39 3.6: 5, 9, 13, 17 Midterm Day is Mon. 10/12
[12] Review Midterm Day is Today	[14] Test 3 on 3.1 – 3.6 3.7: 1, 3, 7, 11, 13, 17, 19, 22, 23
[19] 3.7: 29, 33, 37, 38, 41, 46 4.1: 2, 5, 7, 17 Calc1Maple02Limits&Algebra.mws	[21] 4.1: 16 4.2: 1, 19, 31, 50 4.3: 1, 15 4.4: 3, 5, 7, 8, 11 Review Sheet Test 4
[26] 4.4: 15, 17, 24 4.5: 3, 5, 7, 8, 11, 15, 17	[28] quiz on definition of def. int., 4.5: 23, 25, 27, 37, 43, 45, 47

NOVEMBER

[2] Review Calc1Maple03Derivatives.mws	[4] Test 4 5.1: 5, 7, 9, 18, 15, 17, 21, 22, 29, 31, 35 5.6: 9, 13, 17, 19 Course Files Worksheet
[9] 5.2: 1, 11, 13, 19, 35, 43, 51, 55, 57, 61, 67, 69	[11] 5.3: 1, 5, 13, 15, 21, 23, 31, 35, 40, 43
[16] 5.4: 3, 25, 31, 29 5.5: 1, 3, 7, 9, 12, 29 Review Test5 Calc1Maple07Integration.mws	[18] quiz on logs and inverse trig 5.7: 1, 3, 4, 7, 9, 27, 44, 46 5.8: 1, 13, 21, 25, 41
[23] meet in UH-129 to start MAPLE part FE	[25] Thanksgiving Holiday
[30] Test 5 on 5.1 – 5.8 plus course files	

December

	[2] Turn in Maple part of Final. Review
[7]	[9] Final Exam Wed. Dec 9, 6-8 pm UH246

J. Michelle Benedict, Office: AH-N331, 706- 667-4478 or leave messages at 706-737-1672

Office Hours: 1:00 – 2:30 on T, Th in Allgood Hall office

(Special times: 4:30 – 4:50 on M W and 5:25 – 5:45 T, Th in 2nd Floor Lounge of UH)

Other times by appointment. E-Mail: mbenedic@aug.edu,

THERE WILL BE NO MAKE-UP TESTS FOR ANY REASON! Drop a test grade.

Best 4 tests = 2/3 grade, Comprehensive Final = 1/3 grade **NO SYMBOLIC CALCULATORS!**

M. Benedict MATH 2011 CLASS RULES

Read the handout on my expectations. If you are going to miss any classes for an official college function, you personally must give me a list of those dates in your own handwriting along with documentation: basketball schedule, letter from a coach or club sponsor, Regents exam date, etc., within the first 3 days of class so that I can try to make adjustments in the class test calendar. If you have special problems that may interfere with your performance in this class or special needs, let me know this week. If you miss more than 10% of the classes, you may be in danger of being withdrawn from the class. Try to attend every minute of every class.

Calculus and Analytical Geometry I, also known as “calc 1”: This course is an introduction to calculus with an emphasis on the concepts of limits; continuity; derivative of a function; differentiation and integration of algebraic, trigonometric, inverse trigonometric, exponential, logarithmic, and hyperbolic functions; applications of differentiation; exponential growth and decay; and L’Hospital’s Rule. It is designed for math/science majors who possess not only a very strong background in Augusta State University’s versions of Math 1111 and Math 1113, (Algebra and Trigonometry), but also an ability to creatively apply those skills with a determination to work through problems whose solutions may not be immediately obvious. Your success will be determined not only by those skills and abilities, but also by what you are willing to do when you are faced with new or difficult problems, problems that may take 20 or more steps to solve. This should be a very challenging and yet rewarding class, one that I hope you will remember with pride. I am your “coach.” I can give you rules and suggestions but you must lift the weights and do the exercises yourself. You should feel as if you are teaching yourself the material. All real math classes feel that way.

You will be expected to complete all assignments on time. Assignments will come in 2 types called “graded” and “syllabus.” Most of the graded assignments will eventually be done with the online homework system called WebAssign the code for which should be packaged with your text. The online homework must be worked on a computer. Many WebAssign problems will have optional tutorial programs to give you extra help. Each of your 5 test grades will have 10 points that come from your graded homework assignment averages and the other 90 points from the in-class portions. The syllabus problems are those listed on the syllabus calendar. If you only work and understand well the WebAssign problems, you should be able to make a D in the class. If you also add the syllabus problems to that list, you should be able to make a C. If you add the review problems and other handouts, you should be able to make an A or B. If this is not happening, see me ASAP for a better diagnosis and plan.

Many classes will begin with students putting syllabus homework problems on the board, followed by questions from homework. I may not answer all questions in order to have time to cover the new material. When you enter the classroom, have a seat away from all friends and interesting people, and get your questions organized. Your text: **Essential Calculus** with **WebAssign** by James Stewart is found in the ASU bookstore. An appropriate graphing calculator is required like any version of TI-83’s or TI-84’s, one **WITHOUT** symbolic manipulation (for example, **neither** TI-89’s **nor** TI-92’s are allowed and are forbidden in the classroom.) If you are not using a TI-83 or TI-84 model of some type, be sure to have your calculator approved by me before attempting to use it on a test. You will have assignments in WebAssign and also with a computer algebra system MAPLE which you will do on a computer. Bring the correct calculator with you to all classes so you. Do not help others during the class because it disturbs your neighbors. If it appears to me that you are having too much fun with a neighbor, then regardless of “who started it,” I may move you to another location to preserve the critical professional academic integrity of this class.

Plan to fill many, many notebooks with problems that you have worked and re-worked. Plan to make many note cards with theorems, definitions, rules, etc., and memorize those facts as soon as they occur in the sections assigned. You cannot put off the memory work and do well. You must work your own “Algebra and Precalculus Review” problems and also all WebAssign computer problems by yourself and without assistance from another human. Use the program’s tutorials, your textbook and notes, and me during my office hours instead. To have another person work your review problems or your computer homework for or with you constitutes a violation of academic honesty. See your student handbook for the statement on academic honesty. You may work together on the textbook syllabus problems. I recommend that you develop a study group of 2 or 3 people for that purpose and also work in the Math Lab AH-N337 the times for which will be posted on the department webpage www.aug.edu/mcs under “Student Resources.” In your study group, each student needs to have time explaining worked problems to others. You learn by teaching.

There will be five tests given during the semester. There may be more than one version of those tests to try to catch cheating. (Please read the ASU policy on academic honesty. Lying, stealing, cheating, etc. are not tolerated.) You will get to drop one of those five test grades. The best four grades will be averaged together for $\frac{2}{3}$ of your course grade. The remaining $\frac{1}{3}$ of your grade will be from the comprehensive final exam. Fifteen points of the final exam will be a MAPLE computer project. If your project looks exactly like someone else’s, you have violated the ASU policy on academic honesty. All projects looking alike will be assigned a grade of zero, subject to appeal. Your grades will be returned to you as soon as possible and certainly within a week of taking the test. **THERE WILL BE NO MAKE-UP TESTS FOR ANY REASON!** It’s “your nickel.” Spend it wisely.