About Math 131 and WebAssign online homework system.

Section 1) How to Log In.

Section 2) Concordance of Math 131 topics with Math 220, 221 and 141 topics, so you'll know which WebAssign to do at what time during the semester.

IMPORTANT NOTE: As of Fall 2007, the process for logging in to WebAssign has changed. Those of you who used WebAssign before Fall 2007 *must* also follow the procedure given below. Your previous username and password won't work under this new system, including ones you may have used to take the Math Placement Test.

Go to http://www.webassign.net/umd/login.html.

YOU SHOULD BOOKMARK THIS LINK SO YOU ALWAYS HAVE IT HANDY!

You should see "**Welcome to WebAssign @ UMD!**". Click on "Log In".

You should now see the U of M logo in the upper left corner and "*Central Authentication Service*" at the top of the dialog box.

Enter your UM Directory ID—the one you use to sign into testudo.

For your **password** use the same password you use to sign into testudo.

IF YOU SEE A SCREEN ASKING YOU TO ENTER AN INSTITUTION CODE, YOU'RE IN THE WRONG PLACE.

IMPORTANT: Do not change the password once you are inside WebAssign. It must remain as it is for the UMD common login process to work.

For the first two weeks you can click on the "Continue without entering an access code" link toward the bottom. You will need to purchase an access code before the free-use time runs out—either in the bookstore or online by clicking the "Purchase an access code online" link. (Hint: The cost may be cheaper purchasing an access code online as opposed to buying it from the campus bookstore.)

If you took the Math Dept. Placement test online, you may see it still listed on WebAssign. You can ignore it—it will go away shortly.

The first assignment, "HW 0.0 Getting Started", is listed. It is meant to help you become acquainted with how WebAssign will work and to catch any log-in problems now, before we get into full swing.

IMPORTANT: EVEN IF YOU HAVE USED WEBASSIGN BEFORE, YOU SHOULD DO HW 0.0 TO REFRESH YOUR MEMORY. Questions 6–8 are especially important because they review the syntax needed for symbolic answers and focus on the difference between exact value answers and decimal approximations.

WebAssign will not be calculated into your Math 131 final average. It is rather meant for your use as an extra resource for practice in Math 131 topics, processes and formulae. The "deadline dates" are all scheduled for after the end of the semester, so you can go back to any assignment at any time. The individual questions are, however, set up with a limit to the number of submissions you get – at least 3 and sometimes as many as 4 or 5. Read the general instructions that precede each assignment.

Math 131 – Concordance with sections of Math 220, 221 and 141

WebAssign assignments will give you some extra practice in some of the topics in our syllabus. Not all 131 topics are covered in WebAssign, and not all questions in a 220 or 221 assignment will apply to you in Math 131. If you're not sure about anything, please feel free to ask.

Math 131 section and topic Note that not all sections correlate to either Math 221 or Math 141	220 or 221 section	141 section
130 review: Trigonometric Functions	221 8.1 221 8.2 221 8.3 221 8.4	
130 review: Integration by Substitution	221 9.1	
§ 8.1 Numerical Integration	221 9.4	141 8.6
§ 8.2 Integration by Parts	221 9.2	141 8.1
Definite Integrals needing substitution and/or parts	221 9.3	
Definite integrals – applications needing substitution and/or parts	221 9.5	
§ 8.3 Volume and Average Value	220 6.5	141 6.1
§ 8.4 Improper Integrals	221 9.6	141 8.7
§ 10.1 Solutions of Linear Systems		
§ 10.2 Addition/Subtraction of Matrices		
§ 10.3 Multiplication of Matrices		
§ 10.4 Matrix Inverses		
§ 10.5 Eigenvalues and Eigenvectors		
Exam 1		
§ 9.1 Functions of Several Variables	220 7.1	
§ 9.2 Partial Derivatives	220 7.2	
§ 9.3 Maxima and Minima	220 7.3	
§ 9.5 Double Integrals		
§ 11.1 Introduction to and Separable DEs	221 10.1 221 10.2	141 7.7-8
§ 11.2 Linear First-Order	221 10.3	141 7.7-8
§ 11.3 Euler's Method	221 10.7	
§ 11.4 Linear Systems of DEs		
§ 11.5 Nonlinear Systems of DEs		
Exam 2		
§ 12.1 Sets		
§ 12.2 Introduction to Probability		
§ 12.3 Conditional Probability, Independence, Bayes' Theorem		
§ 12.4 Discrete Random Variables	221 12.1	
§ 13.1 Continous Probability Models	221 12.2	
§ 13.2 Expected Value and Variance	221 12.3	