

MATH 120 B Spring 2008 Syllabus

Instructor	Dr. Sean Ho twu@seanho.com (604) 513-2121 x3209 5 Neufeld Office Hours: M-F 9-10am, and by appointment	Class location: MWF 13:10-14:15 Neu36 math120.seanho.com												
Description	An introduction to the basic elements of calculus and its application to problems encountered particularly in economics and the social sciences. Topics include limits, derivatives and their applications, integration and its applications.													
Prerequisite	Prerequisite: At least a B in B.C. Principles of Mathematics 12 or equivalent, or MATH 101. NB: Credit will be granted for only one of MATH 120 and MATH 123.													
Text	Required: <i>Introductory Mathematical Analysis</i> , Haeussler, Paul, and Wood, 12th edition, Pearson Prentice Hall, 2008. ISBN 0-13-240422-2. This is the same textbook as is being used in MATH101 as of Fall2007.													
Topics / Outline	<ul style="list-style-type: none">• Limits and Continuity (ch10)• Differentiation (ch11)• Elasticity of Demand, Implicit Differentiation, etc. (ch12)• Graphs and Curves (ch13)• Integration (ch14)• Applications of Integration (ch15)• (depending on time): Multivariate Calculus (ch17)													
Marking	Letter grade assignment follows the TWU percentage to grade equivalents except that $\geq 85\%$ and $< 95\%$ is an A; 95% and above is an A+. <table><tr><td>Homework</td><td>20%</td><td>Each Fri (10 total)</td></tr><tr><td>Midterm 1</td><td>20%</td><td>Fri 08 Feb</td></tr><tr><td>Midterm 2</td><td>20%</td><td>Fri 14 Mar</td></tr><tr><td>Final Exam</td><td>40%</td><td>Wed 25 Apr 9-11am (tentative)</td></tr></table>		Homework	20%	Each Fri (10 total)	Midterm 1	20%	Fri 08 Feb	Midterm 2	20%	Fri 14 Mar	Final Exam	40%	Wed 25 Apr 9-11am (tentative)
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Notes	<ol style="list-style-type: none">1. Homeworks are due in-class by the <i>start</i> of class each Friday. NO LATE HOMEWORKS except for extenuating circumstances. Homework turned in after the start of class up to 5pm on the due date (including coming to class late) will be penalized 10%; after that they will receive a zero mark. If you can't make it to class, have a friend hand it in for you or make prior arrangements with the instructor.2. If you turn in your homework on-time, you can expect the TA to have it marked within a week. If you turn in your homework late, the TA can take as long as he/she needs: you forfeit the privilege of getting prompt feedback.3. Note that only a few questions from each homework might be marked. Study groups are encouraged, but the final draft that you hand in must be your own work -- don't just copy another's work! All work must be shown for full marks.4. A scientific calculator is required; graphing or special statistical functions are not required. Please have a separate calculator from your cell phone or PDA.5. During in-class quizzes/exams, all of the following are not permitted and should be left in your closed/zipped bag and put on the floor:<ul style="list-style-type: none">◦ Textbooks, notes, cell phones, laptops, PDAs, iPods, dictionaries6. During in-class quizzes/exams, your desk should be clear except for your pencil/pen and your calculator. You should have your own calculator; sharing of calculators is not permitted. Please also use a calculator separate from your cell phone.7. Students who miss more than 25% of class sessions may be barred from taking the final exam [2007-2008 Academic Calendar p.18].8. In case of inclement weather, call (604) 513-2147 or see www.twu.ca/conditions for campus conditions.													