

## MATH 102 Spring 2011 Syllabus

<b>Instructor</b>	<div>Dr. Sean Ho twu@seanho.com (604) 513-2121 x3209, Neufeld 5 Office hours: MW 2-4, F 1:30-2:30 and by appointment</div> <div>Class location: TR 14:35-15:50, Neu 36 math102.seanho.com</div>												
<b>Description</b>	Sets, permutations and combinations, probability, introduction to statistics. Not for credit towards a major, concentration, or minor in Mathematics. <b>NB:</b> Credit may be received for only one of MATH 102 or MATH 108.												
<b>Objective</b>	By the end of the course, the student should be able to understand the basic concepts and language of statistics and probability, be able to do the necessary calculations and, be able to work with the implications of the same.												
<b>Topics</b>	An introduction to the fundamentals of probability and statistics. Topics will include central tendency, dispersion, probability, normal distribution, binomial distribution, hypothesis testing, and inferences about a population. Statistical tests covered include t-test, ANOVA, and simple linear regression. Applications from business, the social sciences, and the natural and applied sciences will be used.												
<b>Prerequisite</b>	A grade of "C" or better in BC Grade 11 Math or equivalent. Students with a weak math background or who have not taken a math class for a number of years will need to do extra work on their own and perhaps find a private tutor.												
<b>Text</b>	<ul style="list-style-type: none"><li>• <b>Required:</b> Johnson, Robert, and Kuby, Patricia, <i>Elementary Statistics</i> (10th ed.), Thomson, 2007. ISBN 0-495-38386-4.</li><li>• <b>Optional</b> (contains solutions to odd-numbered problems): Kuby, Patricia. <i>The Statistical Tutor for Elementary Statistics</i>. (10th ed). paperback, Thomson, 2007.</li></ul>												
<b>Marking</b>	<div>Letter grade assignment follows the TWU percentage to grade equivalents except that <math>\geq 85\%</math> and <math>&lt; 95\%</math> is an A; 95% and above is an A+.</div> <table><tr><td><b>Homework</b></td><td>20%</td><td>Each Tue (10 total)</td></tr><tr><td><b>Midterm 1</b></td><td>20%</td><td>Tue 15 Feb</td></tr><tr><td><b>Midterm 2</b></td><td>20%</td><td>Tue 29 Mar</td></tr><tr><td><b>Final Exam</b></td><td>40%</td><td>TBA, 3hrs</td></tr></table>	<b>Homework</b>	20%	Each Tue (10 total)	<b>Midterm 1</b>	20%	Tue 15 Feb	<b>Midterm 2</b>	20%	Tue 29 Mar	<b>Final Exam</b>	40%	TBA, 3hrs
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<b>Notes</b>	<div>1. Homeworks are due in-class by 14:35 each Tues.</div> <ul style="list-style-type: none"><li>○ <b>NO LATE HOMEWORKS</b> except for extenuating circumstances.</li><li>○ 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 not be accepted and will receive a zero mark.</li><li>○ If you wish to email your homework in, it must be time-stamped before the time of the due date.</li><li>○ If you are turning your homework late, it is your responsibility to ensure</li></ul>												

I get it.

- Late homeworks forfeit the expectation of prompt feedback.
  - If you cannot come to class to turn in your homework, have a friend hand it in for you or make prior arrangements with the instructor.
  - 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.
2. 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.
  3. A scientific calculator is required; graphing or special statistical functions are not required. Please have a separate calculator from your cell phone or PDA.
  4. 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:
    - Textbooks, notes, cell phones, laptops, PDAs, iPods, dictionaries
  5. During in-class quizzes/exams, your desk should be clear except for your pencil/pen and your calculator. Please make sure you have your own calculator; sharing of calculators is not permitted. Please also use a calculator separate from your cell phone.
  6. In case of inclement weather, call (604) 513-2147 or see [www.twu.ca/conditions](http://www.twu.ca/conditions) for campus conditions.
  7. All relevant academic policies from [the Academic Calendar](#) are in force.
  8. Study groups are encouraged, but the final draft that you hand in must be your own work. All work must be shown for full marks.
  9. 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:
    - Textbooks, notes, cell phones (mute or turn off), laptops, PDAs, *electronic dictionaries*Your desk should be clear except for your pencil/pen and calculator.
  10. All [academic policies](#) as listed in the Academic Calendar are in effect, including policies on Academic Dishonesty and Plagiarism, Attendance, and Students with a Disability.
  11. In case of inclement weather, the TWU campus conditions will be announced on local radio stations and posted on the TWU website at [www.twu.ca/conditions](http://www.twu.ca/conditions).