MAT136 TERM-TEST

WEDNESDAY, MARCH 2, 2016 (6:15 to 7:45 p.m.)

1. Time Conflicts
   If you have a time conflict the night of the test, you should immediately e-mail the course administrator
   Anthony Lam (lam@math.utoronto.ca), for special arrangement. Use your utoronto e-mail account. Your
   e-mail should include your name and student number, and also the exact reason of your conflict (e.g.,
   conflict with ABC101Y, Lecture section L5101, 6 to 7 p.m.).

   NOTE: Never forward your utoronto e-mails to another e-mail address such as "hotmail", since doing so
   would mean that Lam's reply cannot reach your mailbox.

   ANYONE WHO SKIPS THE TEST WITHOUT PRIOR APPROVAL WILL GET A MARK OF ZERO,
   unless absence is due to illness, properly documented.

2. The Term-test will cover everything in the Course Outline from Section 4.9 (Antiderivatives) up to and
   including Section 7.5 (Strategy for Integration). Any topic not in the Course Outline will not be on the test,
   of course. You should review all the questions in the relevant Problem Sets. You should remember the
   integration formulas #1 to #14, and also #17 and #18, in that Box called "Table of Integration Formulas" in
   Section 7.5 of the textbook. For problems requiring formulas #19 and #20, you can easily do the problems
   by using trigonometric substitution. Obviously, you have to remember all the integration techniques and
   strategies you have learned. You must also remember the definitions and theorems you have learned (for
   example, the Fundamental Theorem of Calculus, the definition of the average value of a function, etc.) and
   also the relevant trigonometric identities and basic mathematical facts, e.g., $\cos(0)=1$, $\sin(0)=0$, $\ln(e)=1,$
   $\ln(xy)=\ln(x)+\ln(y)$, $\arctan(0)=0$, $\arcsin(0)=0$, $\arctan(1)=\pi/4$, etc. As for the trigonometric identities, you
   should remember all the trigonometric identities in Appendix D, except formulas 14a and 14b. It is not
   recommended that you memorize formulas 18a, 18b and 18c. If you need to use these 3 formulas, you can
   easily derive them quickly by using formulas 12a, 12b, 13a and 13b.

3. The Term-test will have 10 "multiple-choice" questions and 7 “written” questions. Justification is not
   required for the "multiple-choice" questions. However, you must show all your computations/justifications
   for the "written" questions. The Term-test will have some challenging questions, and some very easy
   questions too! The Test will have no proofs.

4. The Term-test will be closed book. No books, no notes, no aids of any kind, no calculators! Scrap paper is
   not allowed! You can use the back of any page for rough work. However, you must not tear out any pages!
   Bring your student ID card, a ball-point pen (for signing your signature), several sharp dark pencils and a
   good eraser. Remember your Tutorial Code (e.g., M4A, R5C, etc., not T0101, T0201, etc.) and the name of
   your TA. You are required to write these on your test-paper. If you have forgotten your Tutorial Code or
   the name of your TA, you can look these up by visiting the MAT136 Website www.math.utoronto.ca/lam
   and clicking Tutorial List.

   All cell-phones must be completely turned off, and they must not be placed on your desk. You are not
   allowed to use your cell-phone in any manner. For example, using it as a clock is strictly forbidden. The
   use of any other electronic devices such as iPods, compact disc players, pagers, etc., is also strictly
   forbidden. If you use a pencil case, take your pencils, erasers, etc., out of the box and put them on your
   desk or tablet-arm. The pencil case itself must be placed on the floor at the front of the exam room.