MAT187H1F CALCULUS II: COURSE INFORMATION

MAT187H1F is the direct continuation of MAT186H1F/S, and uses the same book. We will cover most of Chapters 7, 8, 9, 10, 11 and 12, plus selected sections of Chapters 6 and 16 (if time permits).

Lectures: The instructor is D. Burbulla; office: GB149; email: burbulla@math.utoronto.ca

- **Monday:** 6:30-8:30 PM in BA1170
- **Wednesday:** 4:30-6:30 PM in BA1170
- **Thursday:** 4:30-6:30 PM in BA1220

Office Hours: Mon 3-5 PM; Wed 3-4 PM; Thu 3-4 PM

Tutorials: In addition to lectures you should attend tutorial Wednesdays, 6:30-8:30 PM. Tutorials start Wednesday, May 10th. Tut0101 will be in BA1170; a second tutorial Tut0102 will be scheduled, if needed.

Textbook: The textbook for this course is *Calculus for Scientists and Engineers: Early Transcendentals*, by Briggs, Cochran & Gillett.

Marking Scheme: Test 1: 20%  Test 2: 20%  WeBWorK Problem Sets: 10%  Final Exam: 50%

Tests: There will be 100 min tests in tutorial on Wednesday, May 31st and Wednesday, June 14th. This is to be confirmed.

WeBWorK Problem Sets: there will be five Problem Sets posted in WeBWorK, which will consist of 60 problems all together. The due dates for these Problem Sets will be indicated in WeBWorK. Your mark out of 10 will be calculated by dividing your total WeBWorK score by 5, and chopping off at 10 if your total score is more than 50 (out of 60.)

Final Exam: The final exam will be scheduled during the week of June 26-30.

Calculators: Use of a Casio FX-991 or Sharp EL-520 calculator will be permitted during quizzes, tests and exams. However, it is still your responsibility to explain your work. A correct answer with no justification will receive little or no marks.

Tutorial Schedule: we have seven two-hour tutorials, so they must be structured if they are to be useful. Here is the schedule of what should be going on in each tutorial.

| Tut 1 May 10 | General advice; questions from Chapter 6 |
| Tut 2 May 17 | Questions on Sections 7.1 to 7.5 |
| Tut 3 May 24 | Questions on Sections 8.1 to 8.4 |
| Tut 4 May 31 | Test 1 on Chapters 7 and 8, 6:30-8:10 PM |
| Tut 5 June 7 | Questions on Chapters 9 and 10. |
| Tut 6 June 14 | Test 2 on Chapters 9, 10 and 11, 6:30 to 8:10 PM |
| Tut 7 June 21 | Questions from Chapter 12. |
Tentative Course outline, with suggested homework problems: we start off by reviewing some basic applications of the definite integral and then covering the final two sections of Chapter 6, which may not have been covered in MAT186H1 F/S.

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