

MATH 1078 - *Elementary Calculus*

Winter-2010

Instructor: J Brian Whitfield office: RB2006 wphone: 343-8822 email: brian.whitfield@lakeheadu.ca

office hours: Th 4:00 – 5:00

Text: *Essentials of Technical Mathematics with Calculus, Second Edition*

Authors: Richard Paul and M. Leonard Shaevel

Lectures: T Th 2:30 – 4:00 RB1021

Lab: M W 4:30 – 5:30 RB1021

Grading: (Assignments {out of 100}) • (Midterm {out of 40} + Final Exam {out of 60})

Assignments:

There will be assignments due on Fridays at 12:00 noon in the assignment box on the second floor of the Ryan Building. Please note that LATE ASSIGNMENTS WILL NOT BE ACCEPTED. Take special note of the grading scheme. Not completing all assignments will adversely affect your grade.

Each section of the assignments will be marked out of 2. One mark for completing all questions and showing the necessary work and one mark for presentation (following instructions listed below). Assignments will not be marked for correct answers. It is the students' responsibility to recognize their problem areas and seek help.

Assignments will be completed such that;

- your name with your student number under it will be written on the top right corner of every page
- the course number, "Math 1078" or "M1078", will be written on the top left hand corner of the first page
- work will be done on only one side of the page
- work will shown in numerical order with question and section numbers clearly labeled
- final answers will be circled or highlighted
- all pages will be stapled (not ripped and folded, no paper clips, no duo tangs) in the top left corner.

Answers for all odd numbered questions can be found in the back of the textbook. Other solutions will be posted.

See the reverse side of this sheet for a list of assignment questions.

Exams:

There will be a Midterm exam held the week of February, 8th, the room and time will be announced at a later date. The final exam will be scheduled by the Registrar's Office and the time and location will be posted at a later date. The questions on the midterm and final exams will come directly from the assignment questions and the review questions. If you complete and understand all the assignment questions, you will do well in this course.

List of Assignment Questions (odd numbered questions):

Section: Questions:

| | |
|-------|--|
| 5.3 | All review questions. Review problems 1...odd...9, 13, 17 |
| 15.7 | All review questions. Review problems 1...odd...17, 33, 37, 39, 45, 51, 53, 55 |
| 16.9 | Review questions 1 – 5. Review problems 3, 5, 7, 9 |
| 22.1 | 1, 5, 7, 11, 13, 17, 21, 25, 29, 31, 33, 34, 35 |
| 22.2 | 1, 2, 5, 9, 13, 17, 21, 25, 29, 33, 37, 43 |
| 22.3 | 1...odd...19 |
| 23.1 | 1...odd...15 |
| 23.2 | 1, 5, 9...odd...27 |
| 23.3 | 1, 5, 11, 17, 23, 29, 35, 41, 47, 53, 59, 65, 71...odd...81 |
| 23.4 | 1...odd...11, 15, 19, 21, 23 |
| 23.5 | 1, 7, 11, 13, 19, 21, 25, 31, 37, 43, 47, 51 |
| 23.6 | 1...odd...9, 13, 17, 21, 25, 29, 33, 37, 41, 51, 60 |
| 23.7 | 1...odd...17, 21 |
| 23.8 | 3, 11, 19, 27, 39...odd...55 |
| 24.1 | 1...odd...15, 21, 23 |
| 24.2 | 3, 7, 11, 15, 19 |
| 24.3 | 1, 5, 9, 13, 17, 19, 21, 25, 29, 33 |
| 24.4 | 1...odd...17 |
| 24.5 | 1, 5, 9, 13, 17, 21, 25 |
| 24.6 | 1...odd...9 |
| 25.1 | 1...odd...13, 21, 27 |
| 25.2 | 1...odd...11, 21 |
| 25.4 | 1, 3, 7, 9 |
| 26.1 | 1...odd...47, 51...odd...61, 67, 69 |
| 26.2 | 1...odd...45 |
| 26.3 | 1...odd...45, 49, 53 |
| 26.4 | 1...odd...19 |
| 27.2 | 1...odd...51 |
| 27.3 | 1...odd...13, 16, 17 |
| 27.4 | 1...odd...19, 23, 27, 29, 35, 37, 41 |
| 27.5 | 1...odd...35 |
| 27.6 | 1...odd...51 |
| 27.9 | 1, 3 |
| 27.10 | 1...odd...31, 37, 45, 47 |
| 27.11 | 1...odd...37 |
| 27.12 | 1...odd...23 |
| 27.13 | 1, 3, 5, 9, 13, 15, 21, 25, 27, 29, 31, 33, 37, 45 |