# Math 100 - Fall 2004 <br> Camosun College 

| Instructor: | Peggy Tilley |
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| Office: | Ewing 244 |
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| Class times: | $12: 30-1: 20$ or $1: 30-2: 20$ daily |

Office hours: $\quad$ Tues, Thurs \& Fri from 10:30-11:20; Mon \& Wed from 2:30-3:20.
You are welcome to try me at other times. If my office door is open, I'll be happy to help. Please, just one or two questions per visit. Come often!

Math Room:

Textbook: Calculus of a Single Variable, 7'th ed., Larson et al. (Solution guide included.)
References:

Calculator:

Prerequisite for Math 100:

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## Math 101:

## Out-of-Class Workload:

Tips for Success:

1. Attend every class and work hard in class. Please ask questions if you don't understand something.
2. Do your homework every day. Unfortunately, math is not a spectator sport. It takes a lot of hard work, practice and patience.
3. Work thoughtfully through your homework; don't just try to get it over with as fast as possible. It is best not to have the solution manual open in front of you; consult it only after you have tried a problem a couple of times.
4. Please ask for help before you get behind or frustrated. If you can't get the correct answer, bring me all your attempts so that I can see what you are thinking. Help is also available from your classmates and the math tutor.

Course Objectives: The four very ambitious objectives of the course are:

- To learn where and how calculus can be used to solve problems in science and mathematics. This involves learning the notation, rules, and techniques of calculus and solving applied problems.
- To continue developing your ability to read mathematics.
- To be able to write mathematics correctly and to be able to write about the mathematics you are learning.
- To begin developing your ability to read and write proofs.

Course Content: Math 100 is the first half of first year calculus for mathematics, computer science, physics and chemistry students. Math 108 is a less theoretical and more applied calculus course for biology, business and social science students.

Ch 1: Limits and Their Properties: $1.1-1.5$
Ch 2: Differentiation: 2.1-2.6
Ch 3: Applications of Differentiation: 3.1-3.9 (omit 3.10)
Ch 4: Integration: 4.1-4.6
Ch 5: Logarithmic and Exponential Functions: 5.1-5.6

Test Information:

Grade Calculation: Best 5 of 6 Term Tests: 50\%*
Final Exam: 50\%*
*To obtain a grade of C or higher in this course, you need to achieve an overall grade of at least $60 \%$ AND you must obtain a passing grade (at least $50 \%$ ) on both your term work and the final exam. The reason that we require a passing term grade is that math that is learned slowly over a period of time is usually retained for longer; information that is crammed in just before a final exam may be quickly forgotten. We also require a passing grade on the final exam since it is a cumulative test that puts all the bits and pieces together. If you do well on the final exam and you have a passing term grade, then we will weight your exam for $100 \%$.

Grade Scale: To obtain a grade of C or higher in the course, please see the comments above.

| A+ | $95-100$ | B+ $80-84$ | C+ | $65-69$ |
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| A | $90-94$ | B | $75-79$ | C |
| A- | $85-89-64$ |  |  |  |
|  |  | B- | $70-74$ | D |
|  |  |  | F | $<50$ |

