

CAMOSUN COLLEGE
Mathematics Department
Course Outline
MATH 101 Calculus 2

Instructor : Stan Toporowski,
Office: Ewing 254 Lansdowne Campus
Phone: 370-3493
email: toporowski@camosun.bc.ca
web page: <http://www.camosun.bc.ca/~toporows>

Textbooks : [Calculus of a Single Variable, 7th edition](#) by Larson, Hostetler and Edwards, available in the College Bookstore..

Content : This course is a continuation of Math 100 and covers most of the material in Chapters 5 to 9 in the textbook. Topics will include inverse trig and hyperbolic functions, applications of integration, integration techniques, L'Hopital's rule, improper integrals, infinite series, Taylor series, parametric equations and polar coordinates.

Calculators : Graphing and programmable calculators are not allowed on tests or the final exam.

Evaluation : Your final grade will be determined on the basis of Term Work worth 50% and a comprehensive Final Exam worth 50%. The final exam will be 3 hours long and will be written during the week following the end of classes. The time and place will be scheduled by the College. Your final percentage grade will be converted to a letter grade using the following scale:

| % | Grade | Grade Point Value | Description |
|----------|-------|-------------------|--|
| 95 – 100 | A+ | 9 | Exceptional, outstanding or excellent performance. Student shows initiative and an insightful grasp of theory and technique. |
| 90 – 94 | A | 8 | |
| 85 – 89 | A- | 7 | |
| 80 – 84 | B+ | 6 | Very good or good performance. Student shows a good overall grasp of theory and technique or an excellent grasp in some areas balanced by a satisfactory grasp in others. |
| 75 – 79 | B | 5 | |
| 70 - 74 | B- | 4 | |
| 65 – 69 | C+ | 3 | Satisfactory performance. Student shows a satisfactory grasp of theory and technique. Students may experience some difficulty being successful in courses for which this course is a prerequisite. |
| 60 - 65 | C | 2 | |
| 50 –59 | D | 1 | Marginal performance. Student has a weak grasp of theory and technique, which is insufficient to take courses for which this course is a prerequisite. |
| 0 - 49 | F | 0 | Unsatisfactory performance. Student should either repeat the course or enroll in a course at a lower level. |

Term work : The term work will consist of 4 term tests. Dates for the term tests will be announced in class at least a week in advance and the dates will also be posted on the [news](#) page. Your final exam mark can count for 100% of your grade **provided that all your term work has been satisfactorily completed.** Grades for term tests will be posted [online](#) and updated after each test so that you will be able to check your progress in the course.

Prerequisites and Expectations: You must have a grade of **C** in Math 100 or **A-** in Math 108 in order to take Math 101. If you have the minimum requirement, you should be prepared to make an extra effort in order to maintain your standing as the course is quite demanding. If you feel that you might not have the necessary background please see me in the first week of classes and we will talk about your situation. A grade of **D** in this course is considered as a pass, however if you intend to use this course as a prerequisite for Math 220 you will need a grade of at least **C**.

Transferring to UVIC : If you intend to use this course as a prerequisite for Math 200 at UVIC, you may do so with a grade of **D**. However, be aware that the entry standard into the second year at UVIC is quite high, currently a **B+**. Any D grades would make it virtually impossible to attain this average.

Attendance: While attendance in classes is not mandatory, it is very difficult to be successful if you miss many classes. If you must miss classes due to illness or other reasons, let me know and I can give you an idea of what work was covered. If you must miss a test due to illness, it is very important that you contact me so that we can make appropriate accommodations.

Resources : Math Lab (Ewing 224). This is a drop-in center where you can get help with your math homework. The hours will be posted on the door. I will post regular office hours, check my door for the times. **Set up a regular study schedule !!** You will probably have to do between 5 and 10 hours of homework a week to keep up.

Online Resources : If you have purchased a new textbook you will receive a password which will give you access to free [online tutoring](#) on the internet. There are also [relevant course materials](#) including algebra review questions, some useful animations and practice tests available to all students on the internet.

Recommended Homework: This [study guide](#) is a list of homework questions, which you should do to get a full understanding of the course material.

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