

CAMOSUN COLLEGE COURSE INFORMATION

FOR

MATH 100

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Textbooks : Calculus of a Single Variable, 7th edition by Larson, Hostetler and Edwards and the Math 100 Maple Lab Manual, both are available in the College Bookstore.

Content : This course is a comprehensive introduction to the methods and theory of differential and integral calculus for students in mathematics and the sciences. The course covers most of the material in the first five chapters of the textbook and includes the following topics: limits, derivatives of algebraic, trigonometric, logarithmic and exponential functions, applications of differentiation and the Fundamental Theorems of Calculus. Students will also be introduced to Maple, which is a software package for doing symbolic mathematical calculations.

Maple Labs : You must attend the Maple Labs, time and place TBA in class. You should have the prelab completed before the scheduled lab time and the lab and prelab should be handed in together.

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:

%

GradeGrade

Point

Value

Description

95 – 100

90 – 94

85 – 89A+

A

A-9

8

7Exceptional, outstanding or excellent performance. Student shows initiative and an insightful grasp of theory and technique.

80 – 84

75 – 79

70 - 74B+

B

B-6

5

4Very 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.

65 – 69

60 - 65C+

C3

2Satisfactory 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.

50 –59D1Marginal performance. Student has a weak grasp of theory and technique, which is insufficient to take courses for which this course is a prerequisite.

0 - 49F0Unsatisfactory performance. Student should either repeat the course or enroll in a course at a lower level.

Term work: This will consist of 4 term tests (44%) and the Maple Labs (6%).

Dates for the term test 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. This means that you should have attempted all the midterms and completed all the Maple Labs. Grades for term tests and labs 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 should have a grade of at least a B in one of Math 12, Math 115 or Math 108. You will need strong algebra skills and a good grasp of trigonometry in order to be successful in this course. 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. While a grade of C is sufficient to go onto Math 101, it may be difficult for you to be successful in Math 101 if your grade in Math 100 is not at least a B-.

Transferring to UVIC: If you intend to transfer to UVIC for your second year, you should be aware that the entry standard is quite high, currently a B+ average.

Attendance: While attendance in classes and the Maple Labs 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, additional appendices including one on trigonometry, 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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