



**School of Arts & Science  
MATHEMATICS DEPARTMENT**

**MATH 109-B02  
Finite Mathematics  
Fall 2013**

**COURSE OUTLINE**

The Approved Course Description is available on the web @  
<http://camosun.ca/learn/calendar/current/web/math.html>

This course is mainly for students in criminal justice, dental hygiene, social sciences and general arts. Topics include descriptive statistics, probability and probability models, one- and two-sample inferences for population means and proportions, simple linear correlation and regression, categorical data analyses.

**1. Instructor Information**

(a)	Instructor:	Susan Kinniburgh
(b)	Office:	E266
(c)	Phone:	250-370-3504
(d)	Email:	KinniburghS@camosun.bc.ca
(e)	Desire2Learn page	<a href="http://online.camosun.ca/">http://online.camosun.ca/</a>
(f)	Office Hours:	M W 4:30-5:20, Tu 3:30-4:20, Th F 2:30-3:20

**2. Intended Learning Outcomes**

Upon completion of this course the student will be able to:

1. Solve linear system problems using the Gauss-Jordan Elimination Method and the Inverse Matrix Method.
2. Solve basic counting problems using Venn Diagrams, and permutations and combinations.
3. Perform calculations that apply the basic properties and concepts of probability, including Bayes' Rule and Markov Chains.
4. Compute and interpret descriptive statistics.
5. Perform computations using the binomial distribution.
6. Derive simple annuity formulas and apply them to solve amortization problems.

**3. Required Materials**

*Finite Mathematics and its Applications*, custom edition for Camosun College

**Note: No electronic devices of any sort (e.g. cellphones, ipods, translators) other than the Sharp EL531 are allowed on tests.**

#### 4. Course Content and Other Course Information

##### Course Content

We will cover Chapters 1-9 in the textbook. The approximate schedule of topics is given in the Pace Schedule. Your term mark will be based on 3 quizzes and 7 assignments.

##### Attendance

*Attendance is required.* Showing up to classes is the easiest and most important thing you can do to help you succeed the course. If you feel yourself falling behind at any point during the term, then please do not hesitate to come to speak to me.

##### Math Lab

You can get **free face-to-face tutoring** from our instructional assistant in the Math Lab **E224**. Lab hours are posted on the lab doors and on the Math Department page <http://camosun.ca/learn/programs/math/>. Find out what hours work for you best (when the lab is the least busy).

##### Desire2Learn (D2L)

This class has the assistance of D2L, an online course management system. All course related materials, such as slides, Lab materials, practice tests and their answers, grades, discussion forum and announcements will be available on D2L. It is your responsibility to check it regularly.

**D2L URL:** <http://online.camosun.ca>

e.g., John Smith, birthday: April 7, 1989

**Username:** firstname.lastnameof-birth

Username: john.smith07

**Password:** MMDDYY of your birthdate

Password: 040789

#### 5. Basis of Student Assessment (Weighting)

Assignments	5%
3 Tests	45%
Cumulative Final Exam (3 hrs)	50%

Please refer to the **Pace Schedule** for tentative *tests dates* and lab/homework *due dates*.

**All tests must be written during the scheduled times. In the event that you missed a test due to family emergency or illness, the weight of the test will be put on the final exam if the instructor is notified before the event. NO late assignments will be accepted for credit. Final examinations will be scheduled by the college and they will take place during December 9-17. You must be available to write the final examination at the scheduled time. Holidays or scheduled flights are not considered as emergencies.**

#### 6. Grading System

Percentage grades will be converted to letter grades as follows:

A+	[90, 100]	B+	[77, 80)	C+	[65, 70)	F	[0, 50)
A	[85, 90)	B	[73, 77)	C	[60, 65)		
A-	[80, 85)	B-	[70, 73)	D	[50, 60)		

## 7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

It is the student's responsibility to become familiar with the content of Academic Policies and Procedures at <http://camosun.ca/about/policies/education-academic/e-2-student-services-&-support/e-2.5.pdf> There are a variety of services available for students to assist them throughout their learning. This information is available in the College calendar, at Student Services or the College web site at [camosun.bc.ca](http://camosun.bc.ca).

<b>Math 109-02</b>	<b>Fall 2013 Mon &amp; Wed Class 5:30 - 7:20 pm, Classes in Y227</b>		
<b>week</b>	<b>date</b>	<b>coverage</b>	<b>items due Fridays</b>
<b>1</b>	2-Sep	<i>Labour Day - No lecture</i>	
	4-Sep	Intro, 1.1, 1.2,1.3	
<b>2</b>	09-Sep	1.4,2.1	
	11-Sep	2.2,2.3	<b>HW1</b>
<b>3</b>	16-Sep	2.4,2.5	
	18-Sep	2.6,3.1,3.2	<b>HW2</b>
<b>4</b>	23-Sep	Review, 3.3	
	25-Sep	<b>Test 1, 3.4</b>	
<b>5</b>	30-Sep	3.5,3.6	
	2-Oct	3.6,3.7	<b>HW3</b>
<b>6</b>	7-Oct	<i>Thanksgiving - No Lecture</i>	
	9-Oct	4.1,4.2	<b>HW4</b>
<b>7</b>	14-Oct	5.1,5.2	
	16-Oct	5.2,5.3	<b>HW5</b>
<b>8</b>	21-Oct	Review, 5.4	
	23-Oct	<b>Test 2, 5.5</b>	
<b>9</b>	28-Oct	6.1,6.2	
	30-Oct	6.3	<b>HW6</b>
<b>10</b>	4-Nov	7.1,7.2	
	6-Nov	7.2	<b>HW7</b>
<b>11</b>	11-Nov	<i>Remembrance Day - No lecture</i>	
	13-Nov	8.1,8.2	<b>HW8</b>
<b>12</b>	18-Nov	Review, 8.3	
	20-Nov	<b>Test 3, 9.1</b>	
<b>13</b>	25-Nov	9.2,9.3	
	27-Nov	9.4	<b>HW9</b>
<b>14</b>	2-Dec	Review	
	4-Dec	Review	<b>HW10</b>
	<b>Dec 9-17</b>	<b>Final Exams</b>	