



**School of Arts & Science  
MATHEMATICS DEPARTMENT**

**MATH 109  
Finite Mathematics  
Fall 2009**

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**The Approved Course Description is available on the web @**

<http://camosun.ca/learn/programs/math/odgers.html>

*Ω Please note: this outline will be electronically stored for five (5) years only.  
It is strongly recommended students keep this outline for your records.*

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**Instructor Information:**

Chris Odgers,  
Ewing 262

**Office Hours:** 9:30 every day, and right after class.  
370-3500 (24 hr. voice mail);  
odgers@camosun.bc.ca

**Intended Learning Outcomes**

*(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO for approval.)*

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. Use the Simplex Method to solve linear programming problems, including those with mixed constraints.
3. Solve basic counting problems using permutations and combinations.
4. Perform calculations that apply the basic properties and concepts of probability, including Bayes' Rule and Markov Chains.
5. Compute and interpret descriptive statistics.
6. Perform computations using the normal and binomial distributions.
7. Determine the validity of arguments by using truth tables and by using the basic laws of logic.
8. Derive simple annuity formulas and apply them to solve amortization problems.

**3. Required Materials**

Text: Finite Mathematics, Rolf, 7<sup>th</sup> ed.

**4. Course Content and Schedule . Chapter 9 is not covered.**

**Quizzes are on Sept. 25, Oct. 16, Nov. 6 and Nov. 27. Your final could be as late as Dec. 21, 2009.**

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

5 quizzes and assignments 50%

Final Exam 50%

If your term work is **complete** and **satisfactory** and your final is better than your term work, then your final will count for 100% of your grade.

This policy is prorated.

**6. Grading System**

*(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO for approval.)*

**Standard Grading System (GPA)**

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.	1
0-49	F	Minimum level has not been achieved.	0

**Temporary Grades**

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at [camosun.ca](http://camosun.ca) for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. <i>(For these courses a final grade will be assigned to either the 3<sup>rd</sup> course attempt or at the point of course completion.)</i>

<b>CW</b>	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.
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## 7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

### LEARNING SUPPORT AND SERVICES FOR STUDENTS

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.ca](http://camosun.ca).

### STUDENT CONDUCT POLICY

There is a Student Conduct Policy **which includes plagiarism**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services and on the College web site in the Policy Section.

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

If you are going to miss a quiz, please familiarize yourself with the missed quiz policy below.

#### Missed Quiz/Rewrite Policy

Students are expected to make every reasonable effort to write the quiz at the scheduled time. **A missed quiz usually counts as a 0**, so if for any reason it appears that you may miss a quiz

- **before the quiz**, talk with the instructor about missing the quiz, unless an unforeseen emergency makes this impossible, in which case leave a comprehensive message.
- assuming that you qualify for a deferred quiz (for instance, medical or compassionate leave), you will be expected to **write the quiz before the next class**; the quiz is usually left for the student in the math lab. If this isn't possible, make alternate arrangements with the instructor well before the next class after the quiz, unless an unforeseen emergency makes this impossible too. In that case, leave a comprehensive message.

*Please inquire if you have any questions or concerns about your particular situation.*

HAVING TROUBLE? NEED HELP? Free tutoring is available in Ewing 224, the hours are posted on the door.

If a quiz is short (for instance, if 20% of the class is finished after 40 minutes) bonus questions are usually available on request from me. Anyone can ask for them, if it's not too late. They are usually slightly harder than regular test questions. There is no penalty for not doing them, or for getting them wrong. Additional marks can be earned on an assignment or quiz by doing unusually thorough or original work. If you want to use methods other than those used in class, please ask first.

Assignments due on a given day are, unless otherwise noted, due anytime that day. They can be submitted to me or at my office. Late assignments are usually not accepted without a good reason and prior agreement. Students who miss class are responsible for making up the missed material on their own time.