# CAMOSUN COLLEGE

# Mathematics 109
## Finite Mathematics
## Winter 2010

**Instructor:** Kseniya Garaschuk
**Office:** Ewing 258
**E-mail:** kgarasch@gmail.com
**Timetable:**

| Tuesday | Wednesday | Thursday |
|---|---|---|
| Math 230 2:30-4:10pm Y219 | Math 230 2:30-4:10pm Y219 | Math 230 2:30-4:10pm Y219 |
| Office hours 4:30-5:45pm Ewing258 | | Office hours 4:30-5:45pm Ewing258 |
| Math 109 6:00-8:20pm Y201 | | Math 109 6:00-8:20pm Y201 |

**Important Dates:**

| | |
|---|---|
| January 6 | First day of class |
| January 20 | Tuition fee deadline |
| February 18-19 | Reading Break (no class) |
| March 10 | Withdrawal date deadline |
| April 2 | Good Friday (no class) |
| April 5 | Easter Monday (no exams) |
| April 10 | Last day of class |
| April 12-17, 19-20 | Final Exam Period |

**Calendar Description:** For business, biology or social science students. Topics include: linear systems (Gauss-Jordan elimination and matrices), linear programming (geometric and simplex methods), permutations and combinations, probability, Markov Chains and elementary statistics.

*(Source: Camosun College 2008-2009 Calendar www.camosun.bc.ca/learn/calendar/current/web/math.html)*

**Prerequisites:** "C+" in Principles of Math 11 or MATH 073; **or** "C-" in Principles of Math 12**; or** assessment.

**UVic Transfer:** A passing grade (D or higher) in this course will earn you transfer credit for UVic's MATH 150.

| **Required Textbook:** | Finite Mathematics by Howard L. Rolf, Sixth or Seventh Edition |
|---|---|

**Course Content:**  
Chapter 1  Functions and Lines  
Chapter 2  Linear Systems  
Chapter 3  Linear Programming  
Chapter 4  Linear Programming: the Simplex method  
Chapter 6  Sets and Counting  
Chapter 7  Probability  
Chapter 10 Logic  
Chapter 8  Statistics  
Chapter 5  Mathematics of Finance  

**Math Labs:** Ewing 224 & 342:  These drop-in centres are freely available for your use to work on math homework and to seek help from the tutor on staff (see hours posted on door).

**Study Time:** It is recommended that approximately 5-6 hours per week be spent studying for this course outside of class time.

**Calculator Policy:** As per Math Department policy, the only calculator permitted for use on tests and the final exam is the Sharp EL-531W scientific calculator.  No other make/model of calculator is permitted, nor are other electronic devices such as cell phones, PDAs, laptop computers, MP3 players, electronic translators, etc.

**Assignments:** There will be 4 assignments to be handed in for marking. No late assignments will be accepted.

**Tests:** There will be four term tests, Test 1 covering ch. 1-2, Test 2 covering ch. 3,4 and 6, Test 3 covering ch. 7 and 10, Test 4 covering ch. 8 and 5. There will be no make up exams. If you miss a test, talk to your instructor.

**Final Exam:** A comprehensive final exam covering all the material will take place during the final exam period of April 12-17, 19-20.  The specific date, time, and location will be announced sometime in February.  You must write the final exam at this time as per Camosun College's policy on final examinations.  See www.camosun.bc.ca/learn/calendar/current/pdf/academic.pdf.

**Grade Calculation:** The final grade will be calculated according to the following breakdown:

Assignments:  15%  
Term Tests:  35%  
Final Exam:  50%  

Alternatively, if you pass at least 2 tests, you can have a 100% final option.

**Grade Scale:** Final letter grades are assigned as follows:

| 0-49 | 50-59 | 60-64 | 65-69 | 70-72 | 73-76 | 77-79 | 80-84 | 85-89 | 90-100 |
|---|---|---|---|---|---|---|---|---|---|
| F | D | C | C+ | B− | B | B+ | A− | A | A+ |

For information on Camosun College's grading policy, see Sec E-1.5 on the policy webpage www.camosun.bc.ca/policies/policies.html.