

CAMOSUN COLLEGE  
DEPARTMENT OF MATHEMATICS

**Mathematics 109**  
**Finite Mathematics**

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**Instructor:** Fred Hughes (office: Ewing 256, tel: 370-3116, e-mail: hughesf@camosun.bc.ca)

**Math 109:** This course accompanies Math 108 to provide a sound mathematical background for Business, Biology and Social Science students. Topics: Linear Equations, Matrices, Linear Programming, Probability, Markov Chains, Elementary Statistics, Logic, and Annuities, and Amortization.

**Textbook:** Finite Mathematics, 5th edition, Howard L. Rolf, Thomson Learning 2002.

**Content:**

- Unit 1 - Functions & Lines (1.1-1.3)
- Unit 2 - Linear Systems (2.1-2.6)
- Unit 3 - Linear Programming (3.1-4.2, and 4.4-4.6)
- Unit 4 - Sets and Counting (6.1-6.6)
- Unit 5 - Probability (7.1-7.7)
- Unit 6 - Logic (10.1-10.4)
- Unit 7 - Statistics (8.1-8.7)
- Unit 8 – Mathematics of Finance (5.1-5.4)

**Evaluation:**

- 50% of your final grade will be assigned for assignments (15%) and tests (35%).
- Note: Your lowest test score will be ignored. This will allow you to be absent on one quiz day without penalty, for any reason (including illness).
- 50% of your final grade will be determined by a comprehensive exam that will be written during the examination period.
- Note: Your final exam mark will count for 100% of your final grade if it is to your advantage.
- The following percentage conversion to letter grade will be used:

A+	=	95-100%	B	=	75-79%	D	=	50-59%
A	=	90-94%	B-	=	70-74%	F	=	0-49%
A-	=	85-89%	C+	=	65-69%			
B+	=	80-84%	C	=	60-64%			

**Resources:**

- **Free** tutoring is available for you. The tutors are located in the "Math Room". Tutoring hours are posted on the door of the room.
- Me! My office hours are \_\_\_\_\_ daily. My home phone is 474-7896.
- Other students. I strongly recommend that you study in small groups.
- Yourself! **Study consistently** (about one hour a day). **Ask for help quickly when you need it.**

**Important Notes:**

1. The final examination period runs from April 13 to April 21. Students never can write the final before the exam date and rarely can receive permission to write it at a later date.
2. Assignments are due at 5 pm on the due date. Late assignments will receive a 10% penalty.