CAMOSUN COLLEGE
DEPARTMENT OF MATHEMATICS

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

---

**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**:   <u>Finite Mathematics</u>, 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 14 to April 25. 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.