

CAMOSUN COLLEGE

DEPARTMENT OF MATHEMATICS

MATHEMATICS 126 **Discrete Mathematics**

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

Textbook: Discrete Mathematics and its Applications, 4th ed., K.Rosen, WCB McGraw-Hill

Content:

Unit 1:	Logic, Sets, and Functions	1.1-1.8
Unit 2:	Algorithms, the Integers, and Matrices	Appendix 2, and 2.1-2.6
Unit 3:	Mathematical Reasoning, Induction	3.1-3.4
Unit 4:	Counting Methods	4.1, 4.3, 4.4, 4.6
Unit 5:	Relations	6.1-6.3, 6.5, 6.6
Unit 6:	Graphs	7.1, 7.2, 7.4(definitions only), 7.6
Unit 7:	Trees	8.1, 8.2

Note: Extra topics may be included occasionally. If a student is absent, it is his/her responsibility to find out what was covered.

Evaluation:

- 15% of your final grade will be assigned for assignments and 35% for tests.
Note: Your lowest quiz score will be ignored. This will allow you to be absent on one quiz day for any reason (e.g., illness) without penalty.
- 50% of your final grade will be determined by a comprehensive exam which 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	=	75-79.9 %	D	=	50-59.9 %
A	=	90-94.9 %	B-	=	70-74.9 %	F	=	0-49.9 %
A-	=	85-89.9 %	C+	=	65-69.9 %			
B+	=	80-84.9 %	C	=	60-64.9 %			

Resources:

- Free tutoring is available for you. The tutors are located in the "Math Room" (Ewing 224). 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 (bare minimum of 6 hours/week - more if your background is weak). **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.