CAMOSUN COLLEGE
MATHEMATICS 112
FALL 2004

INSTRUCTOR: (Mrs.) Jill Britton

OFFICE: E246

OFFICE HOURS: 9:30-10:20 and 11:30-12:20 *(daily)*

TEXTS: FINITE MATHEMATICS, 7th Edition (S. T. Tan)
Camosun Bookstore: $97.50
SUPPLEMENTARY MATERIAL TO ACCOMPANY FINITE MATHEMATICS, 7th Edition (Jill Britton)
Camosun Bookstore: $15.75

CALCULATOR: Each student must possess a **CASIO** model **fx-300MS** scientific calculator.
Camosun Bookstore: $20.95 Office Depot: $16.97 Staples: $19.96

MATERIALS: Compulsory Materials for "Investigating Patterns" ($36)
CARD MUST BE PURCHASED BY SEPT 30 / HAND IN TO YOUR INSTRUCTOR

COMPUTER LAB: Each student is required to have a Camosun account to access the General Purpose Labs. An account can be created while applying for a Student ID Card in the Library or in the General Purpose Labs. Accounts take 24 hours to fully activate.

EVALUATION: Term Mark: (75 marks)
Each student's numerical term mark will be based on five (5) class tests.

Dates:	Sept 24	[Symbolic Logic, 6.1]
	Oct 8	[6.2 - 6.4]
	Nov 12	[7.1 - 7.5 *to Tree Diagrams*]
	Nov 26	[Tree Diagrams, 8.1 - 8.3]
	Dec 3	[8.4 - 8.6]

Investigating Patterns: (25 marks)
This material will be covered during the weeks of Oct 11, Oct 18, Oct 25, Nov 25, and Dec 2. Assessment will be based on a portfolio of class and assigned work. Attendance is compulsory.
Comprehensive (3 hr) Final Examination: (75 marks)
Date: Examination Period (December 13-18 & 20-21)
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Should a student fail to write a test(s), a mark of zero will be awarded for that test(s). Individual students will not be awarded a passing grade until they have completed the "Investigating Patterns" component satisfactorily. The numerical mark awarded shall be the **SUM** of the mark on "Investigating Patterns" plus the **greater** of:
(1) the **average** of the term and final exam marks
(2) the final exam mark
Letter grades will be awarded as follows:
95-100 ***and*** greater than 90 average during term (A+), 90-94 (A), 85-89 (A-),
80-84 (B+), 75-79 (B), 70-74 (B-), 65-69 (C+), 60-64 (C), 50-59 (D), < 50 (F)
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MATH 112 ! SCHEDULE OF CLASSES ! FALL 2004

Week of Sep 6	M	! **LABOUR DAY (College Closed)**
	T	! General Introduction
	W	! A1
	H	! A2
	F	! A2 / A3
Week of Sep 13	M	! A3
	T	! A4
	W	! A4 / A5
	H	! A5
	F	! A5 / Using Valid Argument Forms
Week of Sep 20	M	! Using Valid Argument Forms / 6.1
	T	! 6.1
	W	! 6.1 / 6.2
	H	! 6.2
	F	! **TEST 1 [Symbolic Logic, 6.1]**
Week of Sep 27	M	! 6.2 / 6.3
	T	! 6.3
	W	! 6.3 / 6.4 *(P: #1-5)*
	H	! 6.4 *(P: #6-13)*
	F	! 6.4 *(P: #14-18 / C: #1)*
Week of Oct 4	M	! 6.4 *(C: #2-11)*
	T	! 6.4 *(C: #12-17)*
	W	! 6.4 *(C: #18)*
	H	! **CLASS CANCELLED (Speaker at NW Math Conference)**
	F	! **TEST 2 [6.2 - 6.4]**
Week of Oct 11	M	! **THANKSGIVING (College Closed)**
	T	! Sieve of Eratosthenes / Magic Squares
	W	! Clock (Mod) Arithmetic
	H	! Golden Ratio
	F	! Fibonacci Sequence
Week of Oct 18	M	! Binary Sequence / Pascal's Triangle
	T	! Patterns in Pascal's Triangle
	W	! The Conics
	H	! The Conics / Moire Patterns
	F	! Line Designs / Curve Stitching

Week of Oct 25	M	! Curves of Constant Width
	T	! Cycloids
	W	! Fractals
	W	! 7.1 / 7.2
	H	! 7.2 / 7.3
Week of Nov 1	M	! 7.3
	T	! 7.4
	W	! 7.4
	H	! 7.5 *(#1-5)*
	F	! 7.5 *(#6-8)*
Week of Nov 8	M	! 7.5 *(#9-11)*
	T	! 7.5 *(#12-14,16)*
	W	! 8.1
	H	! **REMEMBRANCE DAY (College Closed)**
	F	! **TEST 3 [7.1 - 7.5 (to Tree Diagrams)]**
Week of Nov 15	M	! 8.2
	T	! 8.2
	W	! 8.3
	H	! 8.3 / 8.4
	F	! 8.4
Week of Nov 22	M	! 8.4 / 8.5
	T	! 8.5
	W	! 8.5 / 8.6
	H	! 8.6
	F	! **TEST 4 [Tree Diagrams, 8.1 - 8.3]**
Week of Nov 29	M	! 8.6
	T	! Test 5 review
	W	! Topological Equivalence
	H	! Jordan Curves / Mazes / Networks / Map Coloring
	F	! **TEST 5 [8.4 - 8.6]**
Week of Dec 6	M	! FINAL EXAM OUTLINE & DISCUSSION
	T	! Math-e-Magic / Moebius Bands
	W	! Flexagons
	H	! Miscellaneous Diversions
	F	! VIDEOS [*Donald Duck in Mathmagic Land / Mathematics Peepshow / Art At Play (Escher)*