EFFECTIVE: SEPTEMBER 2004
CURRICULUM GUIDELINES

A. Division: **Instructional**

Effective Date: September 2004

B. Department / Program Area: **Computing Science**

Revision: [X]   New Course: [ ]

If Revision, Section(s) Revised:

Subject & Course No.	Descriptive Title	Semester Credits

F: Calendar Description:

This course introduces the science of computing. Emphasis is placed on the analysis of problems, the design of algorithms, and the abstraction of control and data in computer implementations of the design. Initially structured top-down design and procedMAT

Allocation of Contact Hours to Type of Instruction / Learning Settings	
Primary Met	**H 1110 with a minimum grade of C; or CMPT 1101 with a minimum grade of C and BC Principles of Math 12 with a minimum grade of B**
	I: Course Corequisites: **None**
	J: Course for which this Course is a Prerequisite: **CMPT 1150 and CMPT 1210**

M: Course Objectives / Learning Outcomes:

Students should be able to
- š   **Analyze problem specification**
- š   **Design, using either a structured top-down methodology or OOD to solv0.02 0 0 10.02 108.899 674.94 Tm(o)Tj10.0**

P: Textbooks and Materials to be Purchased by Students:

- š **Malik, D. S., C++ Programming: Program Design Including Data Structures, Course Technology, Thomson Learning, ISBN 0-619-03569-2**
- š **Portfolio for Programming Assignments**
- š **Two 3 ½ " high density diskettes**

Q: Means of Assessment:

Evaluation will be carried out in accordance with Douglas College policy. The instructor will present a written course outline with specific evaluation criteria at the beginning of semester. Evaluation will be based on some of the following:

labs (6 to 7)	**15% - 25%**
assignments (4 to 6)	**20% - 30%**
tests (1 to 2) @ 15% - 30% each	**15% - 60%**
final examination	**25% - 40%**
class participation[1]	