Archbishop MacDonald High School 2015-2016

Course: COMPUTING SCIENCE 10 (CS10)

Location: Room 122/208

Instructor: Mr. Carby (Neil.Carby@ecsd.net), Mr. Flynn (Martin.Flynn@ecsd.net

Resources: Notes and handouts will be supplied by the instructor or on myecsd.net. Students must provide their own USB memory (1 GB or greater of memory). Students must provide their own headphones or ear buds.

Overview: This course consists of three 1 credit modules. Each module will be completed in approximately 12 class periods.

CSE1010: COMPUTER SCIENCE 1 (1 credit)
Prerequisite: None
Students explore hardware, software and processes. This includes an introduction to the algorithm as a problem-solving tool, to programming languages in general and to the role of programming as a tool for implementing algorithms.

CSE1110: STRUCTURED PROGRAMMING 1 (1 credit)
Prerequisite: none
Students are introduced to a general programming environment in which they write simple structured algorithms and programs that input, process and output data, use some of the more basic operators and data types, and follow a sequential flow of control..

CSE1120: STRUCTURED PROGRAMMING 2 (1 credit)
Prerequisite: CSE1110: Structured Programming 1
Students work with structured programming constructs by adding the selection and iteration program control flow mechanisms to their programming repertoire. They write structured algorithms and programs that use blocks to introduce an element of modularity into their programming practice.

Marks: A marking system based on a cumulative collection of course work including written work, project work, exams and workstation routines/basic competencies will be used to determine marks. Each module will have its own mark.

Written and project work – 70 %

Exams – 20 %

Workstation routine/Basic competencies – 10%

Expectations: Academic honesty and responsibility towards teachers, peers, community, property, materials and equipment are expected at all times. Cheating, copying, and all other instances of academic dishonesty will not be tolerated and will be dealt with in consultation with parents and administration. Students are expected to work at times collaboratively and at times individually. Students are expected to behave safely within school and community standards at all times.

Unexcused absences and/or lates are unacceptable and may have a negative effect on the grade. Excused absences must be accompanied by a signed parent note. Missed coursework is expected to be completed and will be scored as zero until submitted (see disclaimer).

Disclaimer: A wide range of assessment information is used in the development of a student's final grade. At Archbishop MacDonald High School, individualized assessments provide specific information regarding student progress and overall performance in class. Student assessment may vary from student to student to adapt to differences in student needs, learning styles, preferences, and paces. It should be noted that not all assignments are used to determine the final grade. The following may appear for a student in a task in a course:

1. **a numeric value**
2. **"✓" [Green check mark]** – this indicates an assignment has been received.
3. **Late "L" [Red L]** – this indicates that the assignment is has not been turned in on time. No change to the course grade will result.
4. **Exempt "EX" [Grey EX]** – this is used for all items that are not to be included in that student's grade calculation. No change to the course grade will result.
5. **Missing "M" [Tan M]** – the student has missed an assessment but has the opportunity to complete the required work. The work will be evaluated when submitted according to a timeline set up in consultation between the student and the teacher. This code will calculate as a zero until the code has been replaced with a numeric value.