Course Outline: Computer Science 40S (COM40S)

Teacher's Name: Cheryl Klimack

Course Description: This course continues the students programming experiences by introducing them to the Java language and Object Oriented Programming. It is equivalent to most of the first university programming course.

Text/Other Resources: Netbeans and Java, online resources

Specific Learning Outcomes:

Unit Title	Learning Outcomes	Assessment Plan	Proposed Time (Based on ~ 75 school days)
Java Syntax /Formatting	➢ *Students will demonstrate java syntax to create programs*	<u>Formative Assessment</u> only	7
Classes and Methods	➢ *Students will use methods and classes to structure their projects*	<u>Formative Assessment</u> Complete several projects	20
Variables	➢ *students will use variables within their programs to solve problems*	<u>Summative Assessment</u> Complete projects using the skills learned in each module	5
Decisions	➢ *students will use decision structures in their programs to solve problems*		7
Loops	➢ *students will use a variety of controls to program simple animations and games*	Chapter tests Final Exam	15
Arrays	➢ *students will manipulate 1D and 2D arrays*		15
GUI	➢ *students will build a few GUI apps using Java*		5

These units are NOT of equal duration or value. Many of them are integrated throughout the entire course.

Missed tests: If a student misses a schedule test, that STUDENT IS EXPECTED TO MAKE ARRANGEMENTS to write the test as soon as possible. It is not the responsibility of the teacher to make these arrangements. After 1 week, if no arrangements have been made, a zero grade will be entered.

Late assignments: Each assignment has a due date (see Canvas). Marks will be deducted DAILY for late assignments. Formative feedback may not be available on late assignments. Assignments that are more than 5 calendar days late will not be acknowledged as the purpose of the assignment will no longer be valid.

Cheating: Unless otherwise specified, each student is responsible for their own assignments. Using AI to complete the work constitutes cheating. If cheating occurs, all work from that unit will be given a 0 grade and a separate assessment will be required. It is also cheating to take someone else's code to complete your own. This is not learning. This is *copying*. If you need help *learning*, see the instructor.

Academic Achievement

Term Work 20%
Tests 50%
Final Exam 30%