

## 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)
<b>Java Syntax /Formatting</b>	➤ Students will demonstrate java syntax to create programs	<u>Formative Assessment only</u>	7
<b>Classes and Methods</b>	➤ Students will use methods and classes to structure their projects	Formative Assessment Complete several projects  Summative Assessment Complete projects using the skills learned in each module  Chapter tests  Final Exam	20
<b>Variables</b>	➤ students will use variables within their programs to solve problems		5
<b>Decisions</b>	➤ students will use decision structures in their programs to solve problems		7
<b>Loops</b>	➤ students will use a variety of controls to program simple animations and games		15
<b>Arrays</b>	➤ students will manipulate 1D and 2D arrays		15
<b>GUI</b>	➤ 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 ..... 15%  
 Tests ..... 55%  
 Final Exam ..... 30%