

## CPTR2242 - Java Programming

Credits:	3 (2/1/0)
Description:	In this course the student utilizes the Java programming language to create both Internet applets and applications.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol> <li>Be aware of structured and object-oriented programming design methodologies.</li> <li>Understand the basic components of a Java program, including methods, special symbols, and identifiers.</li> <li>Examine how a program evaluates arithmetic expressions.</li> <li>Explore how to properly structure a program, including using comments to document a program.</li> <li>Demonstrate how to import packages.</li> <li>Explain type casting.</li> <li>Use object and reference variables.</li> <li>Utilize the class String.</li> <li>Demonstrate how to use input and output dialog boxes in a program.</li> <li>Use predefined and user-defined methods in a program.</li> <li>Code control structures.</li> <li>Utilize relational and logical operators.</li> <li>Define modifiers.</li> <li>Explore variables as parameters.</li> <li>Create packages.</li> <li>Demonstrate knowledge of the abstract data type (ADT).</li> <li>Create one-dimensional and multidimensional arrays.</li> <li>Test and debug Java programs.</li> </ol>
MnTC goal areas:	None

<sup>\*</sup>Can be taking as a Prerequisite or Corequisite.