

# Syllabus for APC 350 Programming II

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**NOTE:** This syllabus document contains the basic information of this course. The most current syllabus is available in the full course.

## Course Description

This course offers the continuation of fundamental computer concepts and programming. It provides hands-on coverage of methods, File IO, arrays and their applications, abstract data types, classes, simple GUI application, and introductions to inheritance and composition.

## Prerequisite(s)

- APC 300 – Programming I
- APC 310 – Math for Computer Science

## Course Outcomes

Upon completing this course, you will be able to do the following:

- Describe the basic concepts of abstraction, encapsulation, and instantiation.
- Develop and use advanced Java methods.
- Develop and use Java classes and objects.
- Describe the application of arrays for storing collections of objects.
- Develop code that declares, initializes, and uses arrays.
- Develop code that creates, uses, and manipulates files.
- Develop simple GUI applications.
- Describe inheritance for software development.

## Course Requirements/Components

- Assignments
- Exams
- Final Exam

## Grading

The following grading scale will be used to evaluate all course requirements and to determine your final grade:

Grade	Percentage Range
A	90% - 100%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

Evaluation Methods	Percentage of final grade
Assignments	40%
Exams	40%
Final Exam	20%