Syllabus for
APC 310
Math for Computer Science

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 an introduction to the history of computing, fundamental computer concepts, and structured programming techniques. It provides hands-on coverage of simple data types, problem solving, program design, conditional execution, loops, and basic user- defined methods. Java will be used to teach the basic concepts of program analysis, design, implementation, debugging, and testing.

Prerequisite(s)

None

Course Outcomes

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

- Recognize real life situations where mathematical models apply.
- Translate the real-life situations into mathematical models.
- Solve the mathematical models.
- Interpret the solutions in the context of the real-life situations.

Course Requirements/Components

- Homework Assignments
- Exams

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
Homework Assignments	20%
Exams 1 and 2	50%
Final Exam	30%