

Syllabus for UWXCS130

Introduction to Programming

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

Course Description

In this course, you will learn many of the fundamentals of computer programming. These include (but are not limited to): the vocabulary of computer programming, Algorithms, the use of computer programming to solve problems, fundamental control structures, and function/Procedure-writing.

Prerequisite(s)

College Algebra with a grade of C or better.

Course Outcomes

Objective 1: Describe the basic syntax and semantics of a specific computer language.

Objective 2: Show how a specific computer language is used to solve problems.

Objective 3: Define how variables are used to generalize data and describe how a specific computer language implements variables.

Objective 4: Define how conditionals are used to ask questions about data and describe how a specific computer language implements conditionals.

Objective 5: Define how repetition is used to repeatedly perform a task and describe how a specific computer language implements repetition.

Objective 6: Define how functions are used to abstract a task and describe how a specific computer language implements functions.

Course Requirements/Components

The course will include a combination of quizzes, exams, discussions and MindTap assignments covering the following topics.

1. Algorithms and Information Processing
2. Variables
3. Conditional Statements
4. Loop Control Statements
5. Lists
6. Functions

- 7. Sets and Dictionaries
- 8. Modules
- 9. Further Programming

Grading

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

Grade	Percentage Range
A	93-100%
A-	90-92%
B+	87-89%
B	83-86%
B-	80-82%
C+	77-79%
C	73-76%
C-	70-72%
D+	67-69%
D	60-66%
F	59 and under

Assignment	Percent of Grade
MindTap Assignments	20%
Quizzes	15%
Discussions	20%
Exam 1	15%
Exam 2	15%
Exam 3	15%
Total Points	100