

CSIS 2605 - Fundamentals of Programming and Problem- Solving 2

Fall 2026 Syllabus, Section 02, CRN 41545,

Credit hours: 2

Instructor

Anthony DePinto

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Public Instructor Information

Instructor Title:

Adjunct Professor

Instructor Professional Qualifications:

- Master's Computing and Information Systems, Youngstown State University - 2010
- Bachelor's Computer Science, Youngstown State University - 1994
- Bachelor's Mathematics, Youngstown State University - 1994

Instructor Office Location:

Meshel Hall Rm 314

Instructor Office Phone:

330-941-3134

Course Description

2605. Fundamentals of Programming and Problem- Solving 2. Theory and application of programming principles, data and information structures, simple linked lists, searching, and sorting, software development life cycle. Practice using these concepts in an object-oriented programming language. Credit will not be given for both CSIS 2605 and CSIS 2610. Prereq.: C or better in CSIS 1595. Coreq.: CSIS 2605L. 2 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Starting Out with C++ from Control Structures through Objects	Tony Gaddis	978-0137450565

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Introduction to C++		
8/31	Data types, variables, declarations		
9/7	Expressions and Interactivity		
9/14	Making Decisions		
9/21	Loops and Files		
9/28	Functions		
10/5	Arrays & Vectors		
10/12	Midterm Exam		
10/19	Searching and Sorting Arrays		
10/26	Pointers		
11/2	Characters, C-Strings, string Class		

11/9	Structured Data
11/16	Introduction to Classes
11/23	More about Classes
11/30	Linked Lists
12/7	Finals Week

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.