Instructor: Jared N. Plumb
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Textbook: Visual C#
Windows Presentation Foundation
Overview: This course is designed to teach students how to write Windows programs in C# using the .NET environment.
(Course fees for the Computer Science major are designed to cover the costs of lab equipment maintenance and replacement including desktop and server computer systems and software; consumable materials and supplies; and support for lab aides, student tutors, and online instructional resources.)
Prerequisites: CS 2420 – Introduction to Data Structures and Algorithms
Assignments: 5 programming assignments each worth 100 points.
Assignments can be late until the last day of class, but at 70% of the earned points, rounded down (i.e., 114 points x 0.7 = 79 points).
Grading:  
- A >= 94%  
- B >= 84%  
- C >= 74%  
- D >= 64%  
- B- >= 90%  
- C- >= 70%  
- D- >= 60%  
- B+ >= 87%  
- C+ >= 77%  
- D+ >= 67%  
- E < 60%
Attendance: Half of each class is lecture while the other half is open lab time. Attendance during lectures is optional. If you have completed the assignments, lab time is optional. However, you may miss additional topics covered during lab time related to the current assignment.
Schedule:
- Aug 30, Sep 1: Inside a C# Program
  - Main() and Command-Line Arguments
- Sep 6, 8: Arrays, Strings, Statements, Expressions, and Operators
- Sep 13, 15: Interfaces
- Oct 4, 6, 11, 13: Introduction to WPF
- Oct 18, 20: Generics
- Oct 25, 27: Delegates, and Events
- Nov 1, 3: File System and the Registry
- Nov 8, 10: XML Documentation Comments
- Nov 15, 17: Review
- Nov 22, 24: Thanksgiving
- Nov 29, Dec 1, 6, 8: Lab

Learning Outcomes:
1. Students will be able to read and understand manuals, documentation and technical literature, find and understand sources of information, and learn on their own what they need to continue to perform professionally after graduation.
2. Students will have the knowledge and the skills needed to be employable, and to be immediately and continuously productive.
3. Students will have a basic understanding of computer theory, software design and operation, project management, databases, networking, and computer architecture.
4. Students will understand algorithm design and how to express and how to implement algorithms using a variety of notation, programming languages, and paradigms.
5. Students will be able to debug computer programs.

Students with Disabilities: Students with special needs or disabilities are encouraged to contact the Director of Disability Support Services (DSS) at 801-957-4529 for accommodations. You are not required to disclose these disabilities to your instructor, but the instructor can only accommodate official requests through the DSS.

CS Academic Cheating Policy: CS policy dictates that any verifiable evidence of student academic cheating, as defined and determined by the instructor, will result in: 1) an automatic failing grade for the class and 2) a report to the Dean of Students that will include the student’s name and a description of the student’s dishonest conduct.

(Syllabus may change during the first two weeks of class and the schedule throughout the semester)