

CIS 340 Advanced Techniques in Application Development – Fall 2020

Instructor:	Weimin He, PhD
Virtual Class Time:	11:00am-12:50pm Monday and Tuesday
Virtual Office Hours:	9:00am-10:50am Tuesday
Contact:	Email: whe@uwsp.edu

Course Description

Advanced application development features, including exceptions, interfaces, collections, delegates, events, lambdas, and advanced data access techniques.

Course Objectives

- Gain a deep understanding of essential object-oriented programming concepts such as inheritance, polymorphism, interfaces, and generics
- Learn more advanced features of C#.NET Language such as delegates, events, lambdas
- Be able to develop simple GUI applications using Windows Forms
- Be able to use ADO.NET to access databases
- Be able to use LINQ to access data collections

Prerequisites

- CIS 210 and CIS 220 or concurrent registration with Instructor Consent

Textbook

- Visual C# How to Program, 6th Edition, By Paul Deitel and Harvey Deitel, Publisher: PEARSON

Grading

- 10 Labs: 50%
- Midterm Exam: 15%
- Final Exam: 35% (Comprehensive)

Final grades will be assigned according to the following scale:

A: score ≥ 90 , A⁻: $87 \leq \text{score} < 90$,
B⁺: $83 \leq \text{score} < 87$, B: $80 \leq \text{score} < 83$, B⁻: $77 \leq \text{score} < 80$,
C⁺: $73 \leq \text{score} < 77$, C: $70 \leq \text{score} < 73$, C⁻: $67 \leq \text{score} < 70$,
D⁺: $63 \leq \text{score} < 67$, D: $60 \leq \text{score} < 63$, F: score < 60

I may use lower cutoff points, depending on the overall performance of the class.

Lectures

- Lectures will be delivered using Zoom meetings
- Lecture slides and source code of class examples will be posted in Canvas

Assignments and Deadlines

- All assignments will be posted in Canvas. It is your responsibility to check Canvas on a regular basis.

- Due time of a lab will be given in the description file of the lab. You are required to send a Zoom meeting invitation to me to demo your program before the due time. (Please send me an email at least one day before the due time to make an appointment about the demonstration). During the demonstration, you are supposed to share your computer screen, go through your source program, and explain how your program works.

Exams

- Both midterm exam and final exam are online, open-book, and open-notes
- Final exam is comprehensive

Students with Disabilities

If you require accommodation based on disability, please contact the disability office and me during the first week of the semester to ensure that you are appropriately accommodated.

Academic Misconduct

You are encouraged to discuss assignments with each other and to seek assistance from myself.

However, since assignments are a part of the final grade in the course, you must limit the amount of assistance you receive. Such assistance must be limited to a verbal discussion of the approach to an assignment, and may not include substantive solution of the assignment by the person providing the assistance.

If you submit an assignment which is in whole or in part the work of another person or persons, then you, and any such other person or persons whether enrolled in the class or not, will be dealt with as prescribed by Chapter UWSP 14 of the Rules of the Board of Regents of the University of Wisconsin System, Wisconsin Administrative Code.

Guidance Related To COVID19

Face Coverings:

- At all UW-Stevens Point campus locations, the wearing of face coverings is mandatory in all buildings, including classrooms, laboratories, studios, and other instructional spaces. Any student with a condition that impacts their use of a face covering should contact the [Disability and Assistive Technology Center](#) to discuss accommodations in classes. Please note that unless everyone is wearing a face covering, in-person classes cannot take place. This is university policy and not up to the discretion of individual instructors. Failure to adhere to this requirement could result in formal withdrawal from the course.

Other Guidance:

- Please monitor your own health each day using [this screening tool](#). If you are not feeling well or believe you have been exposed to COVID-19, do not come to class; email your instructor and contact Student Health Service (715-346-4646).
 - As with any type of absence, students are expected to communicate their need to be absent and complete the course requirements as outlined in the syllabus.
- Maintain a minimum of 6 feet of physical distance from others whenever possible.
- Do not congregate in groups before or after class; stagger your arrival and departure from the classroom, lab, or meeting room.
- Wash your hands or use appropriate hand sanitizer regularly and avoid touching your face.
- Please maintain these same healthy practices outside the classroom.