

## IT 330 User Interface Development for Interactive Systems - Syllabus (Spring 2018/2019)

Time:	Tuesday 5:45 pm - 9:00 pm <b>Except Tuesday May 7th</b>
Location:	Lewis 1516
Instructor	Anthony Zoko
Office Hour Location	CDM 612
Email	azoko@cdm.depaul.edu
Homepage	<a href="https://d2l.depaul.edu">https://d2l.depaul.edu</a>
Last updated	4/2/2019 V2

**Office Hours:** Tuesday 3:30pm to 5:00 pm

### Course Description:

Official: Graphical user interface development for web and desktop applications. Event-driven user controls. Development involves use of a visual integrated development environment (IDE). Prerequisite: IT 232

Detailed: Application development in C# of Console, Windows Presentation Foundation (WPF), server-side Web applications. The following technologies will be covered: Visual Studio, ASP.NET Web Forms, Entity Framework, WPF, XAML, XML/JSON.

### Learning Outcomes/Course Objectives:

- Students will be able to build programs in C#
- Students will understand the runtime characteristics of various application types (Console, Web, Desktop, Mobile) and what types of tasks each is most suited for.
- Students will be able create interactive Windows apps (Console, Web Forms, WPF, Windows 10)
- Students will be able to use Visual Studio

By the end of the course, each student will understand and be able to apply the central concepts listed in the learning objectives column of the Week-by-Week schedule.

### Software

Visual Studio 2017 Enterprise – you can get the software for free at <http://www.cdm.depaul.edu/current%20students/pages/msdnaa.aspx> . Please install all the latest updates.

## Textbooks

Status	Author	Title	Publisher	Date
Required	Matthew McDonald	Beginning ASP.Net 4.5 in C#	APress ISBN-13: 978-1430242512	2012

## Week-by-Week Schedule:

Date	Lecture Topic and Textbook Chapter	Due at Start of Class
Week 1, April 2nd	Week 1. Intro to .Net and Visual Studio, Console Applications, C# Language. Resources for reviewing HTML and CSS. Ch. 1 (McDonald), Start Ch. 2 (McDonald).	None.
Week 2, April 9th	Week 2. Principles for User Interface Design, WPF Applications, Event Driven Programming Finish Ch. 2 (McDonald),	Assignment 1
Week 3, April 16th	Week 3. More C#, Classes, Arrays, Collections. Ch. 3 (McDonald).	Assignment 2
Week 4, April 23rd	Week 4. Intro to ASP.NET and Server-side applications. Ch. 18 (McDonald).	Assignment 3
Week 5, April 30 <sup>th</sup>	Week 5. MIDTERM EXAM	MIDTERM EXAM
Week 6, May 7th	<b>NO CLASS OUT OF TOWN. BEGIN FINAL PROJECTS</b>	
Week 7, May 14th	Week 7. Web Server Controls	Assignment 4
Week 8, May 21st	Week 8. Entity Framework. Ch. 14 and 24 (McDonald).	Assignment 5
Week 9, May 28th	Week 9. Data Exchange with XML and JSON. Ch. 18 (McDonald).	Assignment 6
Week 10, June 4th	Week 10. Managing State, Website Security, Ch. 8, 19 (McDonald).	
Week 11, June 11th	No Class	Assignment 7 Final Project Due

**Note: The syllabus (including weekly schedule) is subject to changes in order to better meet student needs. If this occurs, the changes will be announced during class.**

### **Grading Policy:**

**Grading Scale:** 94-100: A; 89-93: A-; 85-88: B+; 80-84: B; 75-79: B-; 70-74: C+; 65-69: C; 60-64: C-; 55-59: D+; 50-54: D; 0-49: F.

**Grading Breakdown:** Midterm: 25%, Final Project: 25%, Assignments: 50%

Late assignments are not accepted.

### **Attendance**

Every student in the class is required and responsible to attend every class. If a student misses a class without officially acceptable excuses such as a serious illness, the instructor has no responsibility to make up any missing lab sessions and lectures for him or her.

### **Incomplete**

An incomplete grade is given only for an exceptional reason such as a death in the family, a serious illness, etc. Any such reason must be documented. Any incomplete request must be made at least two weeks before the final, and approved by the Dean of the College of Computing and Digital Media. Any consequences resulting from a poor grade for the course will not be considered as valid reasons for such a request.

### **Other Requirements**

All students are responsible to check the course Web page frequently for various announcements, weekly topics, assignments and the due dates. Students responsible for following changes in the Syllabus.

### **Internet Policy**

No student may transmit or make available any material on the Internet that contains profanity, vulgarity, or offensive information or images. This includes e-mail as well as documents and images on the World-Wide Web. In addition, all student Web documents may not contain links to other Websites that contain profanity, vulgarity, or offensive information or images.

Students are responsible for clearly clarifying that their Web pages are purely educational and that no one should ever treat them as real commercial Web sites and submit credit card information to them.

Students are responsible for the contents of their Web pages.

### **Changes to Syllabus**

This syllabus is subject to change as necessary during the quarter. If a change occurs, it will be thoroughly addressed during class, posted under Announcements in D2L and sent via email.

### **Online Course Evaluations**

Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Students complete the evaluation online in [CampusConnect](#).

### **Academic Integrity and Plagiarism**

This course will be subject to the university's academic integrity policy. More information can be found at <http://academicintegrity.depaul.edu/>. If you have any questions be sure to consult with your professor.

### **Academic Policies**

All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the [University Academic Calendar](#). Information on enrollment, withdrawal, grading and incompletes can be found at: [cdm.depaul.edu/enrollment](http://cdm.depaul.edu/enrollment).

## **Students with Disabilities**

Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential.

To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) at:

Lewis Center 1420, 25 East Jackson Blvd.

Phone number: (312)362-8002

Fax: (312)362-6544

TTY: (773)325.7296