Oklahoma State University Institute of Technology

# Online Common Syllabus

# Fall 2017

## ITD 2263 – Graphical User Interface Development

In this course students learn how to design, develop and evaluate interactive application interfaces. Topics include events, regular expressions, exception handling, debugging and testing. Theory/Lab

**Course Purpose:**

The objective of this course is to introduce the student to the creation of their own classes and advanced features of classes such as indexers, delegates, events, and overloaded operators. The student will also be introduced to the concept of inheritance and generics. Students will also learn how to use data sources to develop database applications.

**Type of course**: Theory/Lab*.*

**Credit Hours:** 3; Total hours of theory per semester: 35;

Total hours of lab for the semester: 40; Total hours of clinical per semester: 0.

**Class length *-*** Fully Semester

**Class Format:** Fully Online

**Class Days and Times:** N/A for Online/Web

**Prerequisites:** ITD 1253

**Instructor Name:** Danny Claborn **Instructor Phone:** (918) 293-4780

**Office:**  EET/IT - Room 15D **Instructor email:** [danny.claborn@okstate.edu](mailto:danny.claborn@okstate.edu)

**Contact:** My preferred method of contact isemail*.* Please allow 24-48 hours to return your correspondence during the normal work week.

**Instructor's Office Hours:** Monday through Wednesday 7:30 – 11:00 a.m. and 3:00 – 3:30 p.m. to assist students in the open lab, and on Monday and Tuesday evenings from 6:00 – 8:00 p.m., Central Time

**School Name:** Information Technologies **School’s Main Phone:** 918-293-5440

## Required Text, References, and Materials

**Texts: *Murach’s C# 2015***, Joel Murach, Mike Murach and Associates

**ISBN 978-1-890774-94-3**

**Materials:** Computer with broadband Internet access and the ability to install software.

**Uniform/Tools:** None

**Estimated Cost for Materials:** $ 60.00

**Estimated Cost for Uniform/Tools: $** 00.00

**Optional Resources:** None

**Upon completion of the course, students should:**

## Course Objectives Assessment of Objectives

|  |  |  |
| --- | --- | --- |
| Demonstrate the ability to design and develop programs or methodologies for modern computing platforms | Programming Labs\* | C.3 |
| Write simple and compound conditions within a programming language or similar environment | Programming Labs\* | J.2 |

Aspects of the course objective assessments may be used in the university’s assessment of student learning. If applicable, an asterisk (\*) above indicates this course is used in the university assessment program.

## Course Activities

In this course students will:

* Participate in class discussions and activities
* View videos the depict the various concepts
* Participate in group and individual presentations
* Compile a portfolio of work produced
* Take examinations
* Complete reading assignments
* May be required to take quizzes

## Evaluation - Grades will be based on the quality and completion of these tasks:

\*Programming Labs 40%

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**Grading Scale**

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% & below

Discussion Board Postings 15%

Exams 30%

Quizzes 10%

Student Portfolio 5%

TOTAL 100%

\* The student’s grade for the Comprehensive Final Exam will be used in the university’s assessment of student learning. A 70% competency or higher receives a Pass rating. This Pass/Fail rating is independent of the student’s course grade.

Daily and/or weekly quizzes, small weekly assignments and similar type projects: Normal return time to student no later than one (1) week*.*

Extensive assignments, large lab projects, extensive quizzes, exams and similar type projects: Normal return time to students in one (1) to two (2) weeks.

**RECOMMENDED STUDENT COMPENTENCIES/SKILLS**

It is recommended that students be proficient with Word, including the ability to manipulate clip art objects, design of the page and overall readability of documents. Students should also be familiar with VMware.

**AUTHORIZED TOOLS**

Students may use any/all course materials, including books and notes, while participating in lab activities.  All quizzes and written assignments are to be completed independently; no collaboration with classmates is permitted and any instance of such will be considered academic dishonesty.

**LATE WORK**

**Instructor Policy:** Turning in your properly-executed work early is always acceptable. All exams, assignments, papers and projects must be completed and submitted by the specified due date; **late work will not be accepted after the due date.** It is the student’s responsibility to maintain and protect all their work and electronic files. Class materials should be provided to the instructor, if requested. Exceptions for late work are the same that would be encountered in the workforce: jury duty, military duty, hospital stay, and required activities in another department. It is your responsibility to notify your instructor to make alternate arrangements in advance if these events cause you to miss class. Make-up exams, for reasons listed above, will only be given at times arranged with the instructor and may be different. **If the instructor grades an assignment, you have submitted before the due date, you DO NOT have the ability to modify the assignment to increase your grade**. Any additional submissions will not be opened, so make sure you are ready to submit you assignments and accept the grade you are given.

**TESTING**

Instructor Policy: Students will take exams within the scheduled examination periods. Since you will have a lab portion for each of your exams you will have to have access to a computer with Internet access that will allow you to not only access the Online Classroom but also your Virtual Machine in order to complete the lab portion of the Hands-on activities of the exams. You will be expected to do your own work without any collaboration. If you experience any problems while taking the exam with the Online Classroom or your Virtual Machine, please attempt to contact your instructor by e-mail immediately and CC yourself on the e-mail to have a form of verification of the e-mail.

**ONLINE COURSE INTERACTION**

OSUIT requires all online courses to include interaction between students, peers and instructors.

Our online courses use a variety of tools to build a community of learners and strengthen engagement between students and their peers, as well as between students and the instructor. Communication tools used in courses may include Discussion, News, and Email. Read the syllabus completely to determine which of these methods you, your classmates and your instructor will use for interaction.

General guidelines for student conduct while interacting within an online course include: (1) Use proper language in all communications; (2) Harassment of any type will not be tolerated; (3) No jokes, insults or threats of an offensive nature.

For more information, go to: <http://osuit.edu/center/netiquette>

**SYLLABUS ATTACHMENT**

View the Syllabus Attachment, which contains other important information, by visiting [http://osuit.edu/center/student\_syllabus\_information](http://www.osuit.edu/center/student_syllabus_information)

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| **Course Schedule** | | | |
| **Schedule** | **Topic** | **Assignment** | **Due Date** |
| Week 1 | **Module 1 begins**   * Orientation * Customer Maintenance Application | Attend Orientation  Exercise 12-1, parts 1-2  Discussion Posts | **9/10/2017** |
| Week 2 | * Customer Maintenance Application | Exercise 12-1, parts 3-14  Discussion Posts  Chapter 12 Quiz | **9/17/2017** |
| Week 3 | * Customer Maintenance Application | Exercise 13-1, parts 1-13  Discussion Posts  Chapter 13 Quiz  Chapter 15 Reading Assignment  Chapter 15 Quiz | **9/24/2017** |
| Week 4 | * Customer Maintenance Application | Exercise 14-1, parts 1-7  Discussion Posts  Chapter 14 Quiz  Chapter 16 Reading Assignment  Chapter 16 Quiz | **10/01/2017** |
| Week 5 & 6 | **Module 2 begins**   * Customer Maintenance Application | Exercise 18-1, parts 1-6  Discussion Posts  Chapter 17 Reading Assignment  Chapter 17 Quiz  Chapter 18 Quiz | **10/15/2017** |
| Week 7 | * Customer Maintenance Application | Exercise 19-1, parts 1-5  Discussion Posts | **10/22/2017** |
| Week 8 | * Customer Maintenance Application | Exercise 19-1, parts 6-10 Discussion Posts | **10/29/2017** |
| Week 9 | * Customer Maintenance Application * How to work with parameterized queries | Exercise 19-1, parts 11-15  Discussion Posts | **11/05/2017** |
| Week 10 | * Customer Maintenance Application * How to use ADO.NET to write your own data access code | Exercise 20-1, parts 1-7 Discussion Posts | **11/12/2017** |
| Week 11 | * Customer Maintenance Application * How to use ADO.NET to write your own data access code | Exercise 20-1, parts 8-12 Discussion Posts | **11/19/2017** |
| Week 12 | * Customer Maintenance Application * How to use ADO.NET to write your own data access code | Exercise 20-1, parts 13-18  Discussion Posts  Chapter 20 Quiz | **11/26/2017** |
| Week 13 | * Customer Maintenance Application * How to work with files and data streams | Exercise 21-1, parts 1-3 Discussion Posts  Chapter 21 Quiz | **12/3/2017** |
| Week 14 | * Customer Maintenance Application | Exercise 25-1, parts 1-11 Discussion Posts  Chapter 25 Quiz | **12/10/2017** |
| Week 15 | * Final exam * Portfolio due |  | **12/13/2017** |

Schedule is subject to change at instructor discretion.