# Course Details

**Meeting Times:** Section 101: Monday, Wednesday, and Friday, 12:00 PM – 12:50 PM

**Location:** WAEC1104

**Course Description:** This is a three (3) credit hour course. This course covers the essentials for developing robust and secure applications using C#, Windows forms, and the .NET framework. Also covers ADO.NET, writing secure .NET applications and web services.

**Prerequisites**: IST 236: Data Structures

**Required Texts: C# 6 for Programmers**, 6th Edition, by Deitel; Prentice Hall.

**ISBN: 9780134596327**

# Instructor

**Name:** Davide Andrea Mauro, Ph.D.

**Office:**  Morrow Library ML 104

**Phone:**  (304) 696 - 6418

**Email:**  maurod@marshall.edu

**Office Hours:** Monday, Tuesday, Wednesday, and Thursday 1:30 PM – 3:00 PM

Or by appointment.

To check my weekly schedule: <http://mupfc.marshall.edu/~maurod/weeklyschedule.pdf>

# Objectives and Instruction Method

There will be three (3) contact hours of classroom lecture and discussion per week. Coursework will include classroom lectures, assignments, and exams along with in-class discussion.

Lectures and course materials will be available from MUOnline as they become available.

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| **Learning Outcomes** | **Practice** | **Assessment** |
| Students will learn to implement standard programming structures such as decisions, loops, and arrays in C# | In class lecture, discussion, and hands-on examples | Assignments 1-7, Midterm Exam, Final Exam |
| Students will learn to create windows form-based applications with event handling and programmable controls. | In class lecture, discussion, and hands-on examples | Assignments 3-7, Midterm Exam, Final Exam |
| Students will be introduced to advanced topics such as multithreading and web application development. | In class lecture, discussion, and hands-on examples | Assignments 6-7, Final Exam |

# Tentative Schedule

The following is a tentative class schedule. Please note this may change based on class progress or extenuating circumstances.

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| --- | --- | --- | --- | --- |
| Week 1 | M | August 20 | Overview and Syllabus |  |
| W | August 22 | Chapter 3, Introduction to C# Programming |  |
| F | August 24 | Chapter 4, Introduction to Classes, Objects, Methods and *strings* |  |
| Week 2 | M | August 27 | Chapter 5, Control Statements: Part I |  |
| W | August 29 | Chapter 6, Control Statements: Part II |  |
| F | August 31 | Chapter 7, Methods: A Deeper Look | Assignment 1 Due |
| Week 3 | M | September 3 | Labor Day – No Class |  |
| W | September 5 | Chapter 8, Arrays: Introduction to Exception Handling |  |
| F | September 7 | Chapter 10, Classes and Objects: a Deeper Look |  |
| Week 4 | M | September 10 | Chapter 11, Object Oriented Programming: Inheritance |  |
| W | September 12 | Chapter 12, OOP: Polymorphism and Interfaces |  |
| F | September 14 | Chapter 13, Exception Handling: A Deeper Look | Assignment 2 Due |
| Week 5 | M | September 17 | Chapter 14, Graphical User Interfaces with Windows Forms: Part I |  |
| W | September 19 | Chapter 14 |  |
| F | September 21 | Chapter 15, Graphical User Interfaces with Windows Forms: Part II |  |
| Week 6 | M | September 24 | Chapter 15 |  |
| W | September 26 | Chapter 15 | Assignment 3 Due |
| F | September 28 | Chapter 16, Strings and Characters: A Deeper Look |  |
| Week 7 | M | October 1 | Chapter 17, Files and Streams |  |
| W | October 3 | Chapter 17 |  |
| F | October 5 | Chapter 18, Generics |  |
| Week 8 | M | October 8 | Chapter 19, Generic Collections: Functional Programming with LINQ/PLINQ | Assignment 4 Due |
| W | October 10 | Midterm Review |  |
| F | October 12 | Midterm Exam |  |
| Week 9 | M | October 15 | Chapter 21, Asynchronous Programming with *async* and *await* |  |
| W | October 17 | Chapter 21 |  |
| F | October 19 | Chapter 21 | Assignment 5 Due |
| Week 10 | M | October 22 | Chapter 21 |  |
| W | October 24 | Chapter 21 |  |
| F | October 26 | Chapter 21 |  |
| Week 11 | M | October 29 | Chapter 9, Introduction to LINQ and the List Collection |  |
| W | October 31 | Chapter 9 |  |
| F | November 2 | Chapter 20 Databases and LINQ | Assignment 6 Due |
| Week 12 | M | November 5 | Chapter 20 |  |
| W | November 7 | Special Topics: XML and LINQ to XML |  |
| F | November 9 | Special Topics |  |
| Week 13 | M | November 12 | Special Topics: WPF GUI and XAML |  |
| W | November 14 | Special Topics |  |
| F | November 16 | Special Topics | Assignment 7 Due |
| Week 14 | M | November 19 | Thanksgiving Break – No Class |  |
| W | November 21 | Thanksgiving Break – No Class |  |
| F | November 23 | Thanksgiving Break – No Class |  |
| Week 15 | M | November 26 | Special Topics: Web Programming |  |
| W | November 28 | Special Topics |  |
| F | November 30 | Special Topics |  |
| Week 16 | M | December 3 | Special Topics |  |
| W | December 5 | Special Topics |  |
| F | December 7 | Final Review |  |
|  | F | December 14 | Final Exam 10:15 AM – 12:15 PM |  |

# Policies

## Computer Requirements

Course materials will be provided through MUOnline (<http://www.marshall.edu/muonline/>). Class announcements and other communications will be sent using your Blackboard account. You can reach me by emailing me through MUOnline or at my Marshall email (maurod@marshall.edu). Please use your official Marshall University email address when sending class related communications. It is good practice to check your email and MUOnline frequently (at least once a day). If you have a smartphone, I encourage you to setup your Marshall account on it so you get notified as soon as possible when you receive email.

**When you send an email always add in the title the course and the section you are referring to. E.g. [CIT265SEC101].**

## Grading

Coursework will account for the following percentages of your final grade:

Assignments: 60%

Midterm Exam: 20%

Final Exam: 20%

Final letter grades are determined based on the following scale, no rounding is applied:

[90-100]% A

[80-90)% B

[70-80)% C

[60-70)% D

[0-60)% F

The instructor reserves the right to change these values depending on overall class performance and/or extenuating circumstances.

### Submission Guidelines

Assignments will be given and turned in through MUOnline unless otherwise noted. Submitted files should follow the following naming convention:

CIT265\_Sec#\_*LastName*\_*FirstInitials*\_*AssignmentName*.docx (or .xlsx, etc.)

Programming projects should be submitted as a compressed (.zip) file containing all relevant files, including solution (.sln), source and header files, .exe, and output files if applicable.

### Assessment of Work

Grading of coursework will primarily be based on correctness. Overall quality, usability, and thoroughness will also be taken into account.

While students are encouraged to help each other learn and study, you are responsible for turning in your own work. If you give or receive assistance to/from another student, please include a comment about it with your submission, or it may be investigated as Academic Dishonesty (see below).

### Late Policy

All Assignments are due by midnight on the provided due date. These deadlines are chosen to ensure adequate progress in the course and that you will be prepared for exams. However, because your understanding of the material is top priority, late work will still be accepted at no penalty. This policy is intended to help you if you have difficulty with the material, technical difficulties or other extenuating circumstances; it is **not** an invitation to do everything at the last minute, and the class will be much easier for you if you keep up with each assignment as best you can. If you have trouble understanding something which prevents you from completing an assignment on time, please come see me and we will work out the problem.

Normally the submissions will be open for one more week after the due date (e.g. deadline Sunday at midnight, the assignment will be available until the next Sunday at midnight), if you realize that there is something preventing you from completing an assignment get in touch BEFORE that moment. No late submissions will be accepted if you fail to comply with these two policies.

It is your duty to check your grades and report in a timely manner any anomaly.

## Attendance

Attending class is your best opportunity to practice the course materials, ask questions, and learn firsthand. Regular attendance will improve your ability to complete assignments and exams and give you more experience to draw from when applying the skills you learn here in your personal and professional activities.

However, while highly recommended, attendance is NOT mandatory and your grade will not be directly impacted by a missed class. **You are still responsible for all assignments and exams.** If you have obligations which will cause you to miss an exam and inform me ahead of time OR you provide a University Excused Absence for an exam day, a make-up exam time will be arranged. Otherwise, missed exams will receive a grade of zero (0).

## Inclement Weather

Students can find information concerning Marshall’s policy regarding inclement weather regarding inclement weather online via <http://www.marshall.edu/ucomm/weatheremergency-closings/>. Please note that a two-hour delay means that classes that begin at 10:00 a.m. begin on time. Classes that begin at 9:30 a.m. meet at 10:00 a.m. and continue for the remaining period of that class.

## Withdrawal Policy

This course follows standard University policy for withdrawals. The last day to drop this course with a “W” is October 26, 2018.

## Cell Phones

Please be respectful of others and set your phone to ‘Silent’ or ‘Vibrate’ during class. If you need to take a call, please take it outside.

## Academic Dishonesty

As described in the Marshall University Creed, Marshall University is an “Ethical Community reflecting honesty, integrity and fairness in both academic and extracurricular activities.” Academic Dishonesty is something that will not be tolerated as these actions are fundamentally opposed to “assuring the integrity of the curriculum through the maintenance of rigorous standards and high expectations for student learning and performance” as described in Marshall University’s Statement of Philosophy. A student, by voluntarily accepting admission to the institution or enrolling in a class or course of study offered by Marshall University accepts the academic requirements and criteria of the institution. It is the student’s responsibility to be aware of policies regulating academic conduct, including the definitions of academic dishonesty, the possible sanctions and the appeal process. For the purposes of this policy, an academic exercise is defined as any assignment, whether graded or ungraded, that is given in an academic course or must be completed toward the completion of degree or certification requirements. This includes, but is not limited to: Exams, quizzes, papers, oral presentations, data gathering and analysis, practical and creative work of any kind.

If you are found cheating on projects or plagiarizing answers from the Internet or other sources there will be no second chance. In this course, STUDENTS ARE NOT TO “COPY & PASTE” MATERIAL FROM A SOURCE INTO ANY ASSIGNMENT UNLESS SPECIFICALLY AUTHORIZED BY THE INSTRUCTOR. Your penalty is that you will receive a failing grade for the course. In those cases in which the offense is particularly flagrant or where there are other aggravating circumstances, additional, non-academic, sanctions may be pursued through the Office of Judicial Affairs. Notice of an act of academic dishonesty will be reported to the Department Chair, Dean of the College of Science, and to the Office of Academic Affairs. Please refer to the Marshall University Undergraduate Catalog for a full definition of academic dishonesty.

## University Policy

By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to [www.marshall.edu/academic-affairs](http://www.marshall.edu/academic-affairs) and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to [www.marshall.edu/academic-affairs/policies/](http://www.marshall.edu/academic-affairs/policies/).

*Academic Dishonesty/Excused Absence Policy for Undergraduates/Computing Services Acceptable Use/Inclement Weather/Dead Week/Students with Disabilities/Academic Forgiveness/Academic Probation and Suspension/Academic Rights and Responsibilities of Students/Affirmative Action/Sexual Harassment*

## Policy for Students with Disabilities

Marshall University is committed to equal opportunity education for all students, including those with physical, learning and psychological disabilities. University policy states that it is the responsibility of students with disabilities to contact the Office of Disability Services (ODS) in Prichard Hall 117 (304.696.2467) to provide documentation of their disability.

Following this, the ODS Coordinator will send a letter to each of the student’s instructors outlining the academic accommodation he/she will need to ensure equality in classroom experiences, outside assignment, testing, and grading. The instructor and student will meet to discuss how the accommodation(s) requested will be provided. For more information, access the website for the Office of Disabled Student Services: http://www.marshall.edu/disabled

## Dead Week

(SR-90-91-(95) 247 ASCR) The last five class days of the fall and spring semesters shall be designated as DEAD WEEK for undergraduate students. Examinations that are designated as 15% or more of the final course grade may not be given during this period. Major papers and/or projects defined as 15% or more of the final course grade may be assigned during this period only if stipulated in the official course syllabus which is to be distributed at the beginning of the semester. Night classes, laboratories, freshmen English composition courses, and any classes meeting once a week shall be exempt from the requirements. New material and make­up examinations may be introduced or conducted during the DEAD WEEK. DEAD WEEK is not intended to be incorporated in the summer sessions of the University.

# Disclaimer

The instructor reserves that right to modify the course schedule, evaluation system, and policy should it become necessary for the effective conduct of the course.

Any amendment to the course policy needs to be presented in a written form (e.g. an email, a course announcement on Blackboard).

E.g. if you want to request an extension for a deadline send an email to the instructor. If no other document can be provided to prove a claim the syllabus will be considered the valid source of information