# Course Details

**Course**: CIT 265 C# .NET Programming

**Course Description:** 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.

**Credits:** This is a three (3) credit hour course.

**Prerequisites**: IST 236: Data Structures.

**Term**: Fall 2020

Format:

The course format is Live Distance (VC). NO IN PERSON MEETINGS.

**Meeting Times:** Section 101: Monday, Wednesday, and Friday, 10:00 AM – 10:50 AM

**Location:** Blackboard Collaborate Ultra. On Blackboard, in the course page 🡪 Virtual Classroom.

# Academic Calendar

For beginning, ending, and add/drop dates, see the [Marshall University Academic Calendar](http://www.marshall.edu/academic-calendar/).

# Instructor

Davide Andrea Mauro, Ph.D.

## Contact Information

**Office:**  Morrow Library ML 104

**Office Hours:** Online only (Phone, Email, Teams): according to the following schedule <http://cit.marshall.edu/maurod/weeklyschedule.pdf> or by appointment. Use this link for booking: <https://outlook.office365.com/owa/calendar/DavideAndreaMauro@livemarshall.onmicrosoft.com/bookings/>

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

**Marshall Email:** maurod@marshall.edu

## Preferred Communication Method and Expected Response Time

Email. You can generally expect an email response within 24 hours. If you don’t get a response within 24 hours, please forward your previous email to me to remind me.

## About Me

I have been an Assistant Professor at Marshall since 2016. I am originally from Italy, and I lived in New Zealand before moving to West Virginia, I hope you will excuse my accent. I obtained a Ph.D. in Computer Science from Università degli Studi di Milano (Italy). My background is in Computer Music and Music Technologies. Here at Marshall I mostly work on Mobile Devices, Game Development, and Multimedia.

# Additional COVID-19 Related Information

* All students must wear face coverings during class and in all academic buildings, hallways, stairwells, lobbies. All Marshall students will receive two branded reusable cloth masks upon return to campus. Students who arrive in class without a face covering will be asked to leave the classroom.
* All students must abide by engineered social distancing protocols (one-way entrances/exits, one-way stairwells, etc.).
* All students will pick up a sanitizing wipe (which will be provided) and sanitize their workstations upon entering the classroom.
* All faculty office hours will be held virtually by appointment unless face-to-face hours are approved by the department chair.
* For the safety of all class members, please DO NOT share course materials.
* Please wash your hands with soap and water and/or use hand sanitizer regularly.
* Seating will be configured to maintain appropriate social distancing. Please use your assigned seat. Assigned seating can be helpful in maintaining social distancing and conducting contact tracing if necessary.

# Required and/or Recommended Texts and Materials

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

**ISBN 9780134596327**

## **Technology and Technical Skill Requirements**

* Students must be proficient in the use of computers, the Internet, browsers, Microsoft Office Word, and other common applications.
* For computer and browser requirements, see “Get Connected” and “Internet Browser” at [Student Resources: First Steps](https://www.marshall.edu/design-center/students/). See also [IT: Recommended Hardware](http://www.marshall.edu/it/recommendations/) (URLs: https://www.marshall.edu/design-center/students/ and http://www.marshall.edu/it/recommendations/ ).
* To check your browsers, use the [Blackboard Browser Checker](https://help.blackboard.com/Learn/Student/Getting_Started/Browser_Support/Browser_Checker) and ensure that you set permissions properly and have all the necessary plug-ins. (URL: https://help.blackboard.com/Learn/Student/Getting\_Started/Browser\_Support/Browser\_Checker )
* Students must be able to use Marshall email, as well as the following tools in Blackboard: course messages, assignments, discussion board forums, tests, blogs, journals, wikis, and groups. Links to Blackboard Help and tutorials are available on the Start Here page and on the Tech Support tab in Blackboard.
* Virtual (VC) courses may require a webcam and microphone to use Blackboard Collaborate Ultra for synchronous meetings. For the best experience, Blackboard recommends Google Chrome browser or Mozilla Firefox browser. Links to Blackboard Collaborate Help and Tutorials are on the Start Here page and on the Tech Support tab in Blackboard.
* [Adobe Acrobat Reader](https://get.adobe.com/reader/) may be needed to read some files. This plug-in is available free. (URL: https://get.adobe.com/reader/ ) See the Tech Support tab in Blackboard for additional information and links.
* Students may be required to submit assignments as Microsoft Word documents (.docx), using the most recent Microsoft Office suite. Office 365 is available at no extra charge to students enrolled at MU. For information visit [Marshall IT: Office 365](http://www.marshall.edu/it/office365/) (URL: http://www.marshall.edu/it/office365/ ).
* See the Tech Support tab in Blackboard for additional information on browsers, technology, and apps.

## **Technology Assistance**

If you have technical problems, please contact one or more of the following:

* [Blackboard Support](http://www.marshall.edu/design-center/support-ticket/) (URL: www.marshall.edu/design-center/support-ticket/)
* Marshall [Information Technology (IT) Service Desk](http://www.marshall.edu/it/departments/it-service-desk/) (Help Desk) (URL: http://www.marshall.edu/it/departments/it-service-desk/ )
  + Huntington: (304) 696-3200
  + South Charleston: (304) 746-1969
  + [Email the IT Service Desk](mailto:itservicedesk@marshall.edu) (itservicedesk@marshall.edu)

## **Course Purpose**

## Desired Learner Outcomes

|  |  |  |
| --- | --- | --- |
| **Learning Outcomes** | **How students will practice each outcome in this Course** | **How student achievement of each outcome will be assessed in this Course** |
| 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 1-6, 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 3-6, 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, Final Exam |

# Course Policies

By enrolling in this course, you agree to the following course policies.

## Attendance/Participation Policy

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 in written form 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).

## Online Communication Expectations

Class announcements and other communications will be sent using your Blackboard account. You can reach me 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].**

If you send an email that lacks the minimal information you will receive an automated reply that will prompt you to rewrite providing more information.

# Grading Policy

## Grading Scale:

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

Assignments: 66%

Midterm Exam: 17%

Final Exam: 17%

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 Blackboard unless otherwise noted. Submitted files should follow the following naming convention:

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

## 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 Work 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 normally be accepted. 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.

Unless otherwise noted the submissions for Assignments only (**never for Exams**) 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 or without a University Excused Absence.

Due to the constant misuse of these policies the deadlines are to be considered final.

## Anticipated Response Time for Grading and Feedback

You can generally expect feedback on assignments, and grades in one week after the final submission deadline. If you don’t receive the feedback on assignments, and grades in two weeks, please send an email to me.

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

# University Policies

By enrolling in this course, you agree to the University Policies. Please read the full text of each policy (listed below) by going to [MU Academic Affairs: University Policies](http://www.marshall.edu/academic-affairs/policies/). (URL: http://www.marshall.edu/academic-affairs/policies/)

* Academic Dishonesty Policy
* Academic Dismissal Policy
* Academic Forgiveness Policy
* Academic Probation and Suspension Policy
* Affirmative Action Policy
* Dead Week Policy
* D/F Repeat Rule
* Excused Absence Policy for Undergraduates
* Inclement Weather Policy
* Sexual Harassment Policy
* Students with Disabilities (Policies and Procedures)
* University Computing Services Acceptable Use Policy

## Students with Disabilities

For University policies and the procedures for obtaining services, please go to [MU Academic Affairs: University Policies](http://www.marshall.edu/academic-affairs/policies/) and read the section, **Students with Disabilities**. (URL: http://www.marshall.edu/academic-affairs/policies/)

## Marshall University E-Mail Accounts

You must have and use your MU email account. Your personal email accounts will not be used for official communication with Marshall University programs and personnel. You may redirect your MU email to your own personal email account, but you must sign in to your MU account to do that**.** Marshall University uses Office 365 email. For more information, visit [Marshall IT: Office 365](file:///C:\Users\kaplanp\Documents\00%20Syllabus%20Templates\Marshall%20IT:%20Office%20365) (URL https://www.marshall.edu/it/office365/).

# Tentative Course Schedule

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Week 1 | M | August 24 | Overview and Syllabus |  |
| W | August 26 | Chapter 3, Introduction to C# Programming |  |
| F | August 28 | Chapter 4, Introduction to Classes, Objects, Methods and *strings* | ~~Assignment 1 Released~~ |
| Week 2 | M | August 31 | Chapter 5, Control Statements Part I |  |
| W | September 02 | Chapter 6, Control Statements: Part II |  |
| F | September 04 | Chapter 7, Methods: A Deeper Look |  |
| Week 3 | M | September 07 | **Labor Day – No Class** |  |
| W | September 09 | Chapter 8, Arrays: Introduction to Exception Handling |  |
| F | September 11 | Chapter 10, Classes and Objects: a Deeper Look | Assignment 2 Released |
| Week 4 | M | September 14 | Chapter 11, Object Oriented Programming: Inheritance |  |
| W | September 16 | Chapter 11 |  |
| F | September 18 | Chapter 12, OOP: Polymorphism and Interfaces |  |
| Week 5 | M | September 21 | Chapter 12 |  |
| W | September 23 | Chapter 13, Exception Handling: A Deeper Look |  |
| F | September 25 | Chapter 14, Graphical User Interfaces with Windows Forms: Part I | Assignment 3 Released |
| Week 6 | M | September 28 | Chapter 14 |  |
| W | September 30 | Chapter 14 |  |
| F | October 02 | Chapter 15, Graphical User Interfaces with Windows Forms: Part II |  |
| Week 7 | M | October 05 | Chapter 15 |  |
| W | October 07 | Chapter 15 |  |
| F | October 09 | Midterm Review |  |
| Week 8 | M | October 12 | **Midterm Exam** | Available online with an extended schedule (+/- 30 mins) |
| W | October 14 | Midterm Debrief, Chapter 9, Introduction to LINQ and the List Collection | Assignment 4 Released |
| F | October 16 | Chapter 9 |  |
| Week 9 | M | October 19 | Chapter 16, Strings and Characters: A Deeper Look |  |
| W | October 21 | Chapter 16 |  |
| F | October 23 | Chapter 17, Files and Streams |  |
| Week 10 | M | October 26 | Chapter 17 |  |
| W | October 28 | Chapter 18, Generics |  |
| F | October 30 | Chapter 18 | Assignment 5 Released |
| Week 11 | M | November 02 | Chapter 19, Generic Collections: Functional Programming with LINQ/PLINQ |  |
| W | November 04 | Chapter 19 |  |
| F | November 06 | Chapter 19 |  |
| Week 12 | M | November 09 | Chapter 21, Asynchronous Programming with async and await |  |
| W | November 11 | Chapter 21 |  |
| F | November 13 | Chapter 21 | Assignment 6 Released |
| Week 13 | M | November 16 | Chapter 20 Databases and LINQ |  |
| W | November 18 | Chapter 20 |  |
| F | November 20 | Chapter 20 |  |
| Holiday | M | November 23 | **Thanksgiving Break – No Class** |  |
| W | November 25 | **Thanksgiving Break – No Class** |  |
| F | November 27 | **Thanksgiving Break – No Class** |  |
| Week 14  (Dead Week) | M | November 30 | Special Topics: XML and LINQ to XML |  |
| W | December 02 | Special Topics: WPF GUI and XAML |  |
| F | December 04 | Final Review |  |
| Week 15  (Finals Week) | F | December 07 | **Final Exam 10:15 AM – 12:15 PM** | Available online with an extended schedule (+/- 1 hour) |

# 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.

**Due to COVID-19 the situation might change at any time. We kindly ask the cooperation of all the students to make this a successful semester.**

**More and up to date details will be provided within Blackboard and by email.**