

ISM 240-02: BUSINESS PROGRAMMING
FALL- 2019

Tuesday – Thursday: 12:30 – 1:45 pm, 221 Bryan Building

INSTRUCTOR INFORMATION

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Office Hours: Tuesday/Thursday 2:00 p.m. – 3:00 p.m. or by appointment

CATALOG DESCRIPTION

Introduction to the planning and creation of computer programs for solving business-related problems. Emphasis is on problem analysis and structured programming techniques. Students utilize a procedural programming language.

Pre-requisite: MAT 115 or higher, and Grade of C or better in ISM 110

COURSE OBJECTIVES

Upon successful completion of this course students will be able to:

- Analyze business-related problems and utilize programming tools, such as flowcharts and pseudo code to plan the solution to those problems.
- Plan and design solutions to business problems.
- Translate those solutions to computer programs.
- Use Visual C# to create and modify files.
- Write, test, and debug Visual C# applications that contain forms, objects, event handling, procedures, sub procedures, functions, decisions, iterations, arrays, databases, and object-oriented programming concepts.

REQUIRED TEXTBOOK & SOFTWARE

1) Starting Out with Visual C#, by Tony Gaddis, 5th edition, ISBN: 9780135183519

The main materials covered in class will come from this book.

2) Laptop installed with Visual Studio 2017/ 2019

TEACHING METHODS

- Class sessions will be in an interactive lecture/demonstration format. Lectures will give students basic understanding of analyzing business-related problems and utilizing programming tools to plan solutions to those problems. Class demonstration will be used to help student translate those solutions to computer programs (write, test, and debug Visual C# applications)
- Students are expected to attend every class session and to participate in the discussions. In class quizzes/exercises will be used to check on class participation. Class exercises are unannounced. No makeup exercises will be given.

- Assignments and exams will be used to evaluate students' performances in terms of learning outcomes.

HOMEWORK ASSIGNMENTS & GROUP PROJECT

- Homework assignments should be submitted on or before the “due date”. Homework assignments will not be accepted late regardless of circumstances. Non-submission counts as a zero score.
- Each student is required to join a group of three/ four individuals to work on a project. More details about the project will be given during the course.

EXAMINATIONS

- There will be two exams (Midterm and Final). Although, the final exam is cumulative, it will be more focused on the material up to the preceding exam. All exams will be closed book, notes, laptops, PDAs, etc.
- No makeup exams will be given. It is impossible to make an equivalent exam without the student at either an advantage or disadvantage. If you miss a test without a valid excuse, then your grade for that exam will be zero. If you miss a test with a valid excuse and provide proper documentation to the instructor, your final exam grade will be used as the grade for the missed exam. Documentation must be given to your instructor no later than one week following the missed exam. Examples of valid excuses are serious illness, death in the direct family, and participation in University sponsored events. Examples of valid documentation are a doctor's note, death certificate or funeral program, memo from the school Athletic Dept, etc. No makeup exams will be given under any circumstance.

DETERMINATION OF COURSE GRADES & GRADING SCALE

The following provides a percentage allocation of each component:

Class project:	20%
Homework Assignments	30%
In-class exercises:	10%
Exam 1:	15%
Exam 2 (Cumulative):	25%

Points	Grade	Points	Grade	Points	Grade	Points	Grade
93-100%	A	83 – 86%	B	73 – 76%	C	63 – 66%	D
90-92%	A-	80 – 82%	B-	70 – 72%	C-	60 – 62%	D-
87 – 89%	B+	77 – 79%	C+	67 – 69%	D+	< 60%	F

FACULTY AND STUDENT GUIDELINES

The faculty and students in the course are expected to adhere to the faculty student guidelines stated at the following web page: http://www.uncg.edu/bae/faculty_student_guidelines.pdf.

ACADEMIC INTEGRITY POLICY

University students are expected to conduct themselves in accordance with the highest standards of academic honesty. A student is subject to penalty for academic misconduct, such as illicit possession of exams or exam materials, forgery, or plagiarism. Plagiarism is the presentation of the work of another, as one's own work. Discussing your assignments with other students can be a valuable learning resource; however, each student is expected to do their own original work. It is the student's responsibility to prove their work is original, if challenged.

All students are required to follow the provisions of the UNCG Academic Integrity Policy (<https://osrr.uncg.edu/academic-integrity/>) in completing coursework. If you do not know the provisions of the Academic Integrity Policy, make time to study it.

ATTENDANCE POLICY

Students are expected to attend every class session. Each student is responsible for all the information and announcements that are made in class. Poor attendance causes poor performance in this course. Any student missing the first class without notifying the instructor will be administratively dropped from the course. Any student missing more than three classes (excused or not) may have their grade dropped by a letter grade.

UNCG may close for inclement weather. The university publishes the closing notifications on the UNCG home page. You may also call 336-334-5000 for a message related to weather closings.

HEALTH AND WELLNESS:

Your health impacts your learning. Throughout your time in college, you may experience a range of health issues that can cause barriers to your learning. These might include physical ailments, illnesses, strained relationships, anxiety, high levels of stress, alcohol/drug problems, feeling down, or loss of motivation. Student Health Services and The Counseling Center can help with these or other issues you may be experiencing. You can learn about the free, confidential mental health services available on campus by calling 336-334-5874, visiting the website at <https://shs.uncg.edu/> or visiting the Anna M. Gove Student Health Center at 107 Gray Drive. Help is always available.

ACADEMIC ACCOMMODATIONS:

The University of North Carolina at Greensboro respects and welcomes students of all backgrounds and abilities. If you feel you will encounter any barriers to full participation in this course due to the impact of a disability, please contact the Office of Accessibility Resources and Services (OARS). The OARS staff can meet with you to discuss the barriers you are experiencing and explain the eligibility process for establishing academic accommodations. You can learn more about OARS by visiting their website at <https://ods.uncg.edu/> or by calling 336-334-544 or visiting them in Suite 215, EUC.

FLEXIBLE COURSE OUTLINE

(SUBJECT TO CHANGE DEPENDING UPON THE PROGRESSION OF THE CLASS)

Week	Date	Topics	Reading and Assignment Due
1	Aug-20 Aug-22	Welcome to ISM240: Review Syllabus and Introduction	Chapter 1: Introduction to Computers and Programming Chapter 2: Introduction to Visual C#
2	Aug-27 Aug-29	Data Types and Variables	Chapter 3: Processing Data
3	Sep-03 Sep-05	Data Types and Variables	Assignment 1 due
4	Sep-10 Sep-12	Making Decisions	Chapter 4: Making Decisions
5	Sep-17 Sep-19	Loops	Chapter 5: Loops, File, and Random Numbers Assignment 2 due
6	Sep-24 Sep-26	Loops	
7	Oct-01 Oct-03	Review for Exam 1 Exam 1	Assignment 3 due
8	Oct-08 Oct-10	Methods	Group project proposal due Chapter 6: Modularizing Your Code with Methods
9	Oct-15 Oct-17	Fall Break – No Class Arrays	Chapter 7: Arrays and Lists
10	Oct-22 Oct-24	Guest Speaker Arrays	Assignment 4 due
11	Oct-29 Oct-31	Structures and Dictionaries	Chapter 9: Structure, Enumerated Types, and Dictionaries
12	Nov-05 Nov-07	Object Oriented Programming	Assignment 5 due Chapter 10: Introduction to Classes
13	Nov-12 Nov-14	Object Oriented Programming	Chapter 11: Inheritance, Polymorphism, and Interfaces
14	Nov-19 Nov-21	Databases	Assignment 6 due Chapter 12: Databases
15	Nov-26 Nov-28	Exam Review / Project presentations Thanksgiving Holiday – No Class	Group Project due
16	Dec-03	Exam 2	

The syllabus operates as our document of mutual understanding; it represents our agreement. Changes may be made to it as our progress dictates. Such changes will be discussed in class and class members will be responsible for all changes.