

ISM 240-01: BUSINESS PROGRAMMING
FALL- 2018

Tuesday – Thursday: 9:30 – 10:45 am, 221 Bryan Building

INSTRUCTOR INFORMATION

Name: Indika Dissanayake
Office: 436 Bryan Building
E-mail address: i_dissan@uncg.edu
Office Phone: 336-334-4988 [Please do not leave voice-mail – use e-mail instead.]
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: 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 Basic to create and modify files.
- Write, test, and debug Visual Basic applications that contain forms, objects, event handling, procedures, sub procedures, functions, decisions, iterations, arrays, databases, and object-oriented programming concepts.

RECOMMENDED TEXTBOOK & REQUIRED SOFTWARE

1) Starting Out with Visual Basic, by Tony Gaddis and Kip R. Irvine, 7th edition or 6th edition

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

2) Laptop with Windows operating system, installed with Visual Studio 2015/2017

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 Basic 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%
Midterm:	15%
Final Exam (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.

FLEXIBLE COURSE OUTLINE

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

Week	Date	Topics	Homework Due
1	Aug-14 Aug-16	Review syllabus Chapter1: Introduction to Programming / Visual Basic Demo	
2	Aug-21 Aug-23	Chapter 2: Creating Applications with Visual Basic	
3	Aug-28 Aug-30	Chapter 3: Variables and Calculations	Assignment 1
4	Sep-04 Sep-06	Chapter 4: Making Decisions	
5	Sep-11 Sep-13	Chapter 5: Lists & Loops	Assignment 2
6	Sep-18 Sep-20	Chapter 6: Procedures and Functions	
7	Sep-25 Sep-27	Review for Exam 1 Exam1	Assignment 3
8	Oct-02 Oct-04	Procedures and Functions	Group project proposal
9	Oct-09 Oct-11	Fall Break – No Class Chapter 7: Multiple Forms, Modules, and Menus	
10	Oct-16 Oct-18	Multiple Forms, Modules, and Menus Chapter 8: Arrays	Assignment 4
11	Oct-23 Oct-25	Arrays	
12	Oct-30 Nov-01	Chapter 10: Working with Databases	Assignment 5
13	Nov-06 Nov-08	Chapter 9: Files, Classes, Collections, and Inheritance	
14	Nov-13 Nov-15	Chapter 12: Object Oriented Programming	Assignment 6
15	Nov-20 Nov-22	Final Exam Review / Project presentations Thanksgiving Holiday – No Class	Group Project
16	Nov-27	Project Presentations	
	Dec-06 (Room# 204)	Final Exam	

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.