

ISM 240-01: BUSINESS PROGRAMMING
FALL- 2016

Tuesday – Thursday: 11:00 am – 12:15 pm, 216 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: Monday 10:00 am – 12:00 am 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.

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.

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

2) Laptop with Windows operating system, installed with Visual Studio 2012/2015

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

- 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.

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
97-100%	A+	87 – 89%	B+	77 – 79%	C+	67 – 69%	D+
93-96%	A	83 – 86%	B	73 – 76%	C	63 – 66%	D
90-92%	A-	80 – 82%	B-	70 – 72%	C-	60 – 62%	D-
						Below 60%	F

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.

FACULTY AND STUDENT GUIDELINES

(for complete information, see http://www.uncg.edu/bae/faculty_student_guidelines_sp07.pdf)

The administration, faculty, staff, and students of the Bryan School of Business and Economics at UNCG are committed to professional and ethical behavior in all areas of their academic and professional lives.

The principles and expectations established in this document and the addendums encompass many aspects of professional behavior and integrity. It is not an exhaustive list, since change is part of life both inside and outside the university. This set of Guidelines constitutes a statement of values and expectations; concerns and issues are still best addressed by conversations between the individual faculty member and student. If further discussions are necessary, please contact the faculty member's Department Head.

EXPECTATIONS OF FACULTY

Faculty in the Bryan School must conform to all existing UNCG codes and policies, and their teaching roles are of particular relevance to these Guidelines. For further details see:

http://provost.uncg.edu/faculty/h_section4.asp.

EXPECTATION OF STUDENTS

Students in the Bryan School must conform to all existing principles found in UNCG's Academic Integrity Policy and the Student Code of Conduct.

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 (<http://academicintegrity.uncg.edu/complete/>) in completing coursework. If you do not know the provisions of the Academic Integrity Policy, make time to study it.

DISABILITY SERVICES:

If you have any type of learning or physical disability, please contact the UNCG Office of Disability Services in Suite 208 EUC. You must register/petition with them first. The Disability office will contact us once your request is approved.

FLEXIBLE COURSE OUTLINE

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

Week	Date	Topics	Homework Due
1	Aug-23 Aug-25	Review syllabus Chapter1: Introduction to Programming and Visual Basic	
2	Aug-30 Sep-01	Chapter 2: Creating Applications with Visual Basic	
3	Sep-06 Sep-08	Chapter 3: Variables and Calculations	Assignment 1
4	Sep-13 Sep-15	Chapter 4: Making Decisions	
5	Sep-20 Sep-22	Chapter 5: Lists & Loops	Assignment 2
6	Sep-27 Sep-29	Chapter 6: Procedures and Functions	
7	Oct-04 Oct-06	Continue on Procedures and Functions	Assignment 3
8	Oct-11 Oct-13	Review for Exam 1 Exam1	Group project proposal
9	Oct-18 Oct-20	Chapter 7: Multiple Forms, Modules, and Menus	
10	Oct-25 Oct-27	Chapter 8: Arrays	Assignment 4
11	Nov-01 Nov-03	Chapter 9: Files, Printing, and Structure	
12	Nov-08 Nov-10	Chapter 10: Working with Databases	Assignment 5
13	Nov-15 Nov-17	Chapter 11: Developing Web Applications	
14	Nov-22 Nov-24	Chapter12: Classes, Collections, and Inheritance Thanksgiving Holiday – No Class	Assignment 6
15	Nov-29 Dec-01	Continue on Object Oriented Programming Review for Final Exam	Group Project
16	Dec 07-14	Final Exam	