



Programming Concepts and Methodologies CIS 202

Basic Course Information

Semester:	Fall	Instructor Name:	Walid Ghanim
Course Title & #:	CIS 202	Email:	Walid.Ghanim@imperial.edu
CRN #:	20833	Webpage:	https://www.imperial.edu/courses-and-programs/divisions/economic-and-workforce-development/business-department/computer-information-technology/
Classroom:	TBA	Office #:	802B
Class Dates:	8/16/21-12/8/21	Office Hours:	TBA
Class Days:	Online	Office Phone #:	760-355-6428
Class Times:	Online	Emergency Contact:	760-355-6126
Units:	3	Class Format:	Virtual

Course Description

An introduction to the fundamental concepts and models of application development including the basic concepts of program design, data structures, programming, problem solving, programming logic, and fundamental design techniques for event-driven programs. Hands-on experience with a modern application programming language and development platform. (C-ID IT IS 130)

Course Prerequisite(s) and/or Corequisite(s)

None

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

1. Communicate ideas and solutions to problems in writing. (ILO1, ILO2,ILO3)
2. Compose and create programming algorithms with correct computer programming instructions, syntax, style, and format. (ILO1, ILO2, ILO3)
3. Demonstrate personal responsibility by attending and completing in full the complete midterm and final examination.

Course Objectives

Upon satisfactory completion of the course, students will be able to:

1. Write well-designed structured Visual Basic programs in their entirety.
2. Be familiar with programming tools such as pseudo code and hierarchy charts.
3. Develop applications using relational operators and decision-making statements.
4. Demonstrate looping structure algorithms.

Textbooks & Other Resources or Links

Clearly Visual Basic Programming with Microsoft Visual Basic 2010 **Second Edition.** Author: Diane Zak ISBN: 9781111530150

Course Requirements and Instructional Methods

The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

Course Grading Based on Course Objectives

Chapter Tests 20%

Projects 20%

Discussion Boards 10%

Midterm 25%

Final Exam 25%

Course Grading Scale

90-100% = A

80-89% = B

70-79% = C

60-69% = D

0-59% = F

Course Policies

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be



desired, the student’s status will be the same as that of any other student who desires to add a class. It is the student’s responsibility to drop or officially withdraw from the class. See General Catalog for details.

- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absence exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as ‘excused’ absences.
- Plagiarism is to take and present as one’s own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to correctly ‘cite a source’, you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment or using or attempting to use materials, or assisting others in using materials, or assisting others in using materials, which are prohibited or inappropriate in the context of the academic assignment in question. Anyone caught cheating will receive a zero (0) on the exam or assignment and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General School Catalog for more information on academic dishonesty or other misconduct.

Other Course Information

- Learning Labs: There are several ‘labs’ on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Learning Services (library). Please speak to the instructor about labs unique to your specific program
- Library Services: There is more to our library than just books. You have access to tutors in the learning center, study rooms for small groups, and online access to a wealth of resources.
- Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6312 if you feel you need to be evaluated for educational accommodations.

IVC Student Resources

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit <http://www.imperial.edu/studentresources> or click the heart icon in Canvas.

Anticipated Class Schedule/Calendar

[Provide a tentative overview of the readings, assignments, tests, and/or other activities for the duration of the course. A table format as in the example below may be used for this purpose.]

Date or Week	Activity, Assignment, and/or Topic	Tests
Week 1	Syllabus & Introduction	
Week 2	Chapter 1 Control Structures	
Week 3	Chapter 2 Problem-Solving Process	

Date or Week	Activity, Assignment, and/or Topic	Tests
Week 4	Chapter 3 Introduction to Visual Basic	Exam 1 (Chapters 1 and 2)
Week 5	Chapter 4 Designing Interfaces	
Week 6	Chapter 5 Assignment Statements	Exam 2 (Chapters 3 and 4)
Week 7	Chapter 6 Variables and Constants	
Week 8	Chapter 7 Syntax and Logic Errors	
Week 9	Midterm	Midterm (Chapters 1-7)
Week 10	Chapter 8 Selection Structure	
Week 11	Chapter 9 Nested Selection Structures	
Week 12	Chapter 10 Multiple-Alternative Selection Structures	Exam 3 (Chapters 8 and 9))
Week 13	Chapter 11 Selecting Test Data	
Week 14	Chapter 12 Pretest Loops	
Week 15	Chapter 13 Posttest Loops	
Week 16	Final Exam	

*****Subject to change without prior notice*****