KELCE
COLLEGE OF BUSINESS
Pittsburg State University

Course Syllabus:
Fall 2022
Introduction to Programming
CIS 230-03
221 Kelce
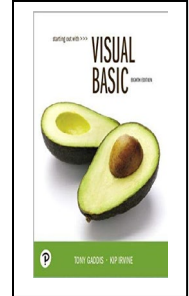MWF: 1:00 – 1:50

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Instructor: Maeve Cummings, Ph.D.
Office: Kelce 223B
Office Hours: MWF: 9-10, MW: 1-2
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Textbook

Gaddis, *Starting Out with Visual Basic, 8th Edition,* Pearson 2019. This book is mainly for reference. If you have a similar text book that has all of the topics that the above books have, you could use that instead.

Catalog Course Description

This is an introduction to the Visual Basic programming language and to the Visual Studio program development environment. It is designed as an entry level course to introduce basic programming concepts using object-oriented methodologies.

Prerequisites

Prerequisite: MATH 019 Intermediate Algebra or MATH 110 College Algebra with Review; or MATH 113 College Algebra; or MATH 126 Pre-Calculus; or MATH 150 Calculus I; or MATH 153 Introduction to Analytic Processes, or permission of the instructor.

Course Objectives / Learning Outcomes

You will have the opportunity to learn to write programs Using Microsoft Visual Basic 2019, which is available free at the Microsoft site (you will have to register to get the free version). The easiest way to find it is to put Visual Studio 2019 into the Google search engine. There are three versions available. Download the free one which is the *Community* version. You will learn the fundamental constructs for procedure level programming and be introduced to GUI (graphical user interface) programming styles.

Teaching Methods

This course will be part lecture part hands-on the computer labs in 105 Kelce. You are welcome to bring your own laptop if you wish. You will be able to download videos, information, assignments, grades etc. from Canvas. To download videos, you must have Studio in your Canvas course.

Canvas

PowerPoint slides, homework assignments, and other materials will be posted on Canvas. These slides are reference materials just as your book is. Scores for assignments, labs, and exams will be posted to Canvas as they become available.

Course Evaluation Methods

During the semester you will have the opportunity to write up to 10 programs for credit.

- **Homework is due by the start of class on due date**. Late homework will be accepted. If the assignment is up to three *calendar* days late, it will be worth 80% of the original points. After that it will be worth only 50% of the original points. There may be a group project towards the end of the semester.
- We'll have two exams, a mid-term and a final. If you miss an exam, have a valid reason, and make arrangements within 24 hours of the exam, you may make it up on the last day of class for 90% of the original points.
- Course Evaluation:

• Exams (2)		200 points
• Assignments/Labs	up to	500 points

• Total	up to	700 points

• Lower Grade boundaries:	
• A (90%)	• C (70%)
• B (80%)	• D (60%)

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Course Outline

Week	Date	Topic
1	Aug 21, 23, 25	• Introduction to course • Introduction to VB programming
2	Aug 28, 30, Sep 1	• User Interface Design
	Sep 5	• *Labor Day*
3	Sep 7, 9	• Variables and Constants
4	Sep 12, 14, 16	• Calculations
5	Sep 19, 21, 23	• Data types and basic arithmetic operators
6	Sep 26, 28, 30	• Conditional structures • **Test #1**
7	Oct 3, 5, 7	• Event-driven programming
8	Oct 10, 12, 14	• Select structure
	Oct 17	• Mid-semester grades due
9	Oct 17, 19, 21	• Loops and lists
10	Oct 24, 26, 28	• Debugging
11	Oct 31, Nov 2, 4	• Function Procedures
12	Nov 7, 9, 11	• Sub Procedures
14	Nov 14, 16, 18	• Sub Procedures
	Nov 21 - 25	• *Thanksgiving Break*
15	Nov 28, 30, Dec 2	• Arrays
16	Dec 5, 7, 9	• Arrays
	Friday, Dec 16	• **Final**

The instructor reserves the right to amend and/or reorganize this syllabus at any time

Attendance Policy
- The greatest part of learning will take place in the classroom lab where you will program under my supervision. Therefore, it is important that you come to class and/or consistently engage with online resources, particularly if you have not programmed before.

Students with Disabilities
- Please inform the instructor if you have a learning or physical disability that interferes with course requirements. Assistance and/or appropriate accommodations may be available through the contacts listed on the current Syllabus Supplement on the PSU Registrar's homepage at http://www.pittstate.edu/dotAsset/fb38ac9b-9c03-4b77-9bc4-7e71f5584060.pdf) and on the Canvas site for this course

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Classroom Conduct

- Cell phones are not to be used during class time except in an emergency.

- It is a course requirement that you comply with the rules of common courtesy when you are in this class. This includes such things as no talking to your neighbor during class, checking e-mail, and of course, texting as addressed in the last point.

- As a course offered through the Kelce College of Business, students in this class are obligated to adhere to the college's Student Code of Ethics (that you signed when you were admitted to the College) as outlined below.

- Students shall:

    - Refrain from class disturbances.

    - Arrive on time and remain until dismissed at all class sessions and to notify instructors in advance of anticipated absences, late arrivals, or early departures whenever possible.

    - Turn off cell phones or other electronic devices while in class, unless permission to use them has been granted.

    - Prepare for and participate in all classes.

    - Treat fellow students, staff, faculty and administrators with respect.

    - Prepare assignments and exams honestly.

    - Avoid plagiarism or unacknowledged appropriation of another's work in any academic work and refrain from giving or receiving inappropriate assistance.

    - Dress appropriately, avoiding clothing that is revealing, provocative, or includes offensive language or visuals. Dress as a professional when appropriate at ceremonies and interviews.

    - Respect University property and use resources in the most effective and efficient manner.

    - Be fair and constructive in the evaluation of faculty.

    - Obey the policies, regulations, and laws of the United States of America, The State of Kansas, The Kansas Board of Regents, Pittsburg State University and the Gladys A. Kelce College of Business.

Academic Integrity

- All Pitt State students are bound by the academic integrity policies of the university as described and outlined in the current Syllabus Supplement. Please familiarize yourself with these rules and guidelines. Academic misconduct or dishonesty is inconsistent with membership in an academic community and will not be tolerated. You are expected to do your own work.

- Plagiarism is one form of academic dishonesty. *Plagiarism is defined as using ideas or writings of another and claiming them as one's own. Copying any material directly (be it the work of other students, professors, or colleagues) or copying information from print or electronic sources (including the internet) without explicitly acknowledging the true source of the material is plagiarism.*

- The University reserves the right to expel those guilty of academic dishonesty.

- **Plagiarism will result in an at least an F for the course, if not expulsion**. **Those who send their electronic file, i.e. a program complete or incomplete to another "just to help them out" or for any other reason, will receive a zero for the assignment and possibly an F for the course**. The same goes for anyone who knowingly allows someone else to submit a duplicate of their assignments,

- The academic misconduct policy for Pittsburg State University will be used to govern issues related to academic misconduct in this class. This policy and other information is available on the Syllabus Supplement page at: http://www.pittstate.edu/dotAsset/c76cfbbd-c6ad-4bcf-b89f-60d322b880f6.pdf and also on the Canvas site for this course