OTTERBEIN UNIVERSITY
MATHEMATICAL SCIENCES DEPARTMENT
COMP 1200
Elementary Programming and Logic
Fall 2013

Class	MWF 2:15 - 3:15 p.m. in Roush 210 & Towers 127
Class Web Page	http://faculty.otterbein.edu/DStucki/COMP1200/
Instructor	David J. Stucki
Office	Towers 133
Office Hours	MW 10:15 - 11:15, MWF 1:15 – 2:15, or by appointment
Email	DStucki@otterbein.edu
Phone	823-1722
Home Phone	878-8002 (After **9 a.m.** and before **midnight**, please)

Objectives
This two-credit lab-focused course is an introduction to computer programming using the Visual Basic programming language. By the end of this course, you will be able to construct correct Visual Basic solutions to small and well-defined logic problems. Your solutions will have graphical user interfaces and employ event handlers. Your solutions will apply Visual Basic constructs for sequential, conditional and iterative logic. You will be able to work with numeric and character-oriented data values and collections. You will be able to compose procedures and functions. You will be able to utilize tools and techniques for composing, testing and debugging Visual Basic programs. You will know the basic principles and practices involved in developing software in general and object-oriented and event-driven software specifically.

Description
Lecture and Laboratory. An introduction to computer programming for non-computer science majors. Covers elementary logic, control structures, and simple user interfaces in Visual Basic (VB.NET) and Visual Basic for Applications (VBA). 2 semester credit hours

Prerequisites
None. No computer programming experience required.

Text
Starting Out With Visual Basic 2010, Fifth Edition, Gaddis & Irvine, Addison-Wesley, 2011. The textbook homepage is http://www.pearsonhighered.com/gaddisvb/

NOTE: A new copy of this book should include both a DVD and an access code to Video Notes. If you buy it used, you may get either, both, or neither. Both the DVD and Video Notes are useful but neither is required. The essential DVD resources are also available either from Microsoft or from the textbook's Student Resources page.

Labs
The majority of class time each week will be spent hands-on in the laboratory, working through various exercises from the textbook, with the instructor present for guidance and to answer questions. Additional lab time may be required outside of class time to complete the exercises, depending on the individual student's working style and experience. I often hear of students spending an hour or more trying to do one step that they were confused about. **Work smart by asking questions when you are stuck.** .

Projects
I will also assign a number of projects. There will be some time to work on these projects during the lab sessions, but additional time will almost certainly be required. I will accept a project one class period late for up to 80% of the original points.

Exams
There will be several short closed-book quizzes and a comprehensive final examination covering textbook tutorial material, questions regarding the lab exercises, and projects. Make-ups will be scheduled only for documented emergencies. If you can document that you have three or more final exams scheduled for the same day I will attempt to arrange for an alternate time *only* if given at least a week's notice.

Work Load	"Students are expected to spend three hours per week (including class hours) in study for each quarter hour of credit attempted." See 2010-2011 Undergraduate Course Catalog in the third paragraph under The Calendar. COMP 120 is 2 credit hours, 84 hours of study is expected: 42 hours in class (3 hours per week in lecture and lab), and *42 hours beyond class hours* (3 hours per week).
Participation	We pose and solve problems in a social context. Therefore, we need each other. This need is the reason we have classroom and lab sessions. *Attendance is required.* Each time you are absent without *advance* permission, you will lose a portion of your grade up to a maximum of a fraction of a grade letter. Each student is expected to participate in any class discussions throughout the semester.
Disabilities	If you need an accommodation based on the impact of a disability, you should contact me to arrange an appointment as soon as possible. At the appointment we can discuss the course format, anticipate your needs and explore potential accommodations. I rely on the Disability Services Coordinator for assistance in verifying the need for accommodations and developing strategies. If you have not previously contacted the Disability Services Coordinator Kera McClain Manley (823-1618), I encourage you to do so.
Academic Misconduct Policy	All members of the Otterbein College community of learners are expected to follow the rules and customs of proper academic conduct. Proper conduct includes avoiding academic misconduct as defined in the Student Life Handbook. Students are encouraged to help each other learn the course material. Unless specifically prohibited, you may discuss homework problems and lab exercises with one another. Participants in these discussions usually enjoy the benefit of deeper and greater learning. However, all work submitted for evaluation that is based on discussions with others must be your own work; created with your own hands and fingers while thinking it through.

Any work submitted for evaluation that includes work done by another, copying of another's work, or the result of following another's step-by-step keystrokes and mouse clicks, is a case of academic misconduct. When academic misconduct is found in any assignment or examination you submit, you will receive a zero grade for that assignment or exam. The misconduct will also be reported to the Office of the Academic Dean. If a previous academic misconduct offense is on your record, you will receive a grade of F for this course and a referral to the judicial system. |

Grading

Assignment	*Weight*		*Range*	*Grade*	*Range*	*Grade*
Lab Exercises	50%		93 - 100%	A	73 - 76.9%	C
Participation	5%		90 - 92.9%	A-	70 - 72.9%	C-
Quizzes	25%		87 - 89.9%	B+	65 - 69.9%	D+
Final Exam	20%		83 - 86.9%	B	60 - 64.9%	D
			80 - 82.9%	B-	0 - 59.9%	F
			77 - 79.9%	C+		