

Computer Programming I 11.0130703

<http://cs.spx.org>

Fall 2008

Instructor: Abraham T. Ghebru

Office: Room 307

Phone: 404.636.3023x350

e-Mail: abe@spx.org

Course Materials: *An Introduction to Programming Using Visual Basic.NET*, Fifth Edition 5, by David I. Schneider © 2001. You are expected to purchase the textbook before the second class meeting, if you are enrolled in Computer Programming II. In addition, it is highly recommended that you purchase a 2.0 GB USB flash drive.

Course Description: This course offers an introduction to window based, visual programming, using an object-oriented, event-driven language: Visual Basic.NET. The student will focus on top-down structure, documentation, problem solving, logic, critical thinking, reading internalization and language syntax. It provides more than an ability to use the language. These basic skills transfer well to other programming languages and courses.

Course Goals: After successfully completing the course, students will be able to:

- ÿ create programs in the Visual Basic.NET environment.
- ÿ understand object oriented programming (OOP).
- ÿ incorporate even driven programming using controls.
- ÿ interact with users, using menus, messages boxes and printing.
- ÿ utilize good programming techniques.
- ÿ debug and manage error(s).
- ÿ work with data access and file management.
- ÿ write programs using proper documentation.
- ÿ work with variables, data and string manipulation.
- ÿ identify the major hardware and software components of a computer system, their relationship to one another, and the roles of these components within the system.
- ÿ build and program robots.
- ÿ recognize the ethical and social implications of computer use.

Method of Instruction: This course is primarily “hands on” computer programming instruction, consisting of instructor led lectures, demonstrations, discussions, lab exercises and projects; field trip(s) and guest speaker(s) may be added as additional resources.

Class Attendance and Participation: Punctuality and attendance are important to successful completion of requirements for this course. For that reason, attendance will be taken at each class meeting. The class participation portion of the course evaluation will be based on the following items: punctual attendance to all class meetings, respect for others, participation in class discussions and assignments and appropriate care of computer equipment. *Note: Students with disabilities who require reasonable accommodations in order to participate in course activities or meet with course requirements should contact and notify the instructor.*

Article Reports: To enhance learning in the area of computer science, you are expected to read journal, newspaper, magazine, or internet articles that relate to the field of computer science. For each article you select, post the following information on the course’s discussion board (<http://atrunning.com/forum>): two or three sentences of summary, at least five sentences of your reflection on the topic and a reference in APA style. Article reports are due at 10:00 p.m. on Thursdays.

Classroom Rules: Each student is expected to obey and follow all rules and regulations, as set forth by the student handbook provided by the school; the highest principles of academic honesty and integrity will be strictly enforced. Violations of academic honesty represent a breach of the school's expectations and will be regarded as a serious matter. Furthermore, if a student has issues regarding any aspects of this class, he or she needs to first contact the instructor; a failure to following this professional practice will result in negative participation points and disciplinary actions. Students should be in the classroom, seated and prepared to learn before the bell rings. All students are expected to treat each other and the instructor with respect at all times.

The policy about no late work being accepted will be strictly enforced. When a student has an excused absence, it is his or her responsibility to make sure all assignments are completed in a timely fashion. All assignments not submitted because of an excused absence are noted with zero points in the grade book and must be completed no later than one (1) day for each class session not present, for a maximum of three days, after the student's return. Additionally, if a student returns on the day of a quiz, test or an exam, he or she is expected to complete it during class time, unless other arrangements with the instructor have been made.

Evaluation/Assessment:

Class Participation	10 pts.
Article Reports	20 pts.
Quizzes.....	40 pts.
Lab Assignments/Programming Projects.....	60 pts.
Unit Tests.....	70 pts.
Final Project.....	50 pts.

Grading Scale:

A.....	90-100
B	80-89
C	74-79
D.....	70-73
F.....	0-69

Note: *The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.*

Student Name (Print): _____ Course: CP Period: _____

I, the undersigned, have read Mr. Ghebru's syllabus. I agree to adhere to all the terms within.

Student's Signature

Date

I, the undersigned, have read Mr. Ghebru's syllabus. I agree to help my son/daughter/ward adhere to all the terms within. In addition, I will do my best to maintain contact with Mr. Ghebru so that my son/daughter/ward can do his/her best in this class.

Parent's Signature

Date

Parent's Email