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# FALL 2013 SYLLABUS

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| Course:          | CPSC 1100, CRN: 42518  |
| Title:           | Fundamentals of Computer Science   |
| Class Schedule:  | Monday and Wednesday 12-1:15<br>Lab Monday 2 – 3:50                                      |
| Class Location:  | EMCS 302 – Class<br>EMCS 321 – Lab   |
| Credit:          | 4 Credit Hours   |
| Professor:       | Kathy Winters  |
| Office Location: | EMCS 314D  |
| Office Phone:    | 423-425-4378   |
| Office Hours:    | Monday and Wednesday 10 – 11 and 2-4, Tuesday &<br>Thursday 9:30 – 10:30, & Friday 10-12 |
| E-mail:          | Kathy-Winters@utc.edu  |

**ADA STATEMENT: Attention:** If you are a student with a disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) and think that you might need special assistance or a special accommodation in this class or any other class, call the Disability Resource Center (DRC) at 425-4006 or come by the office, 102 Frist Hall <http://www.utc.edu/disability-resource-center/> .

If you find that personal problems, career indecision, study and time management difficulties, etc. are adversely affecting your successful progress at UTC, please contact the Counseling and Career Planning Center at 425-4438 or <http://www.utc.edu/counseling-personal-development-center/index.php> TERM: Fall 2013

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## TEXTS:

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These are mandatory. You will not pass this class without the text. You will use them. Each week you will have an assignment. The answers to those questions will be in the text.

- *A guide to Working with Visual Logic, Thad Crews & Chip Murphy, Course Technology (available at [www.course.com](http://www.course.com)), ISBN-10: 0-324-60119-0*
- *Visual Logic, ISBN-10: 1-4188-3773-3 (software) (optional)*
- *Big Java, Cay Hortsman, Wiley, ISBN: 978-0-470-50948-7*

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## MATERIAL:

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- flash memory 1gig or larger/ other storage device (not the lab computers)

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## COURSE DESCRIPTION:

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An introduction to computer science concepts and computer software development using a high level language. Algorithms, flowcharting, programming, and documentation of numerical and non-numerical problems, will be covered. Also computer science terminology and concepts such as computer hardware, information security and assurance, and computer application areas will be covered. Lecture 2 hours, Laboratory 2 hours.



## **COURSE OBJECTIVES:**

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To introduce students to computer concepts, problem solving and computer programming. The course will provide a broad overview of those topics that are considered the most important areas of computer science. There will also be discussions of the computer science professionals, societal ethical issues, and information security.

- Students will understand be able to use an IDE for program development.
- Students will be able conduct simple problem solving.
- Student will understand the concept of Object Oriented Programming.
- Students will define an object, class and method.
- Students will be able to implement a class.
- Students will understand the various basic data types.
- Students will understand the different types of decision structures.
- Students will be able to understand and use looping mechanisms
- Students will understand and be able to use classes
- Students will understand arrays

## **GRADING POLICY: GRADES WILL BE DETERMINED BY THE FOLLOWING.**

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- Tests – 40%
- Lab Assignments – 20%
- Out of Class Assignments – 20%
- Quizzes – 10%
- Attendance – 10%

Letter grades will be assigned as follows:

- A= 90-100%
- B=80-89%
- C=70-79%
- D = 60-69%
- F=below 60%

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## **BEHAVIOR POLICY:**

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Disruptive behavior in the classroom will not be tolerated. Cell phones will not be tolerated during exams. You must put your phone on vibrate prior to coming to class. Cell phone usage in anyway during an exam will result in a 0 for the lab or exam.

**Make-up tests!** Makeup tests will not be given. I will substitute the final grade for one of your exam grades if it is higher than any single exam. Failure to take the final will result in a zero

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## **COURSE WEBSITE AND COMMUNICATION:**

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We will be using the Blackboard system. You may access lecture notes, labs, and your grades through this system. I will also use the blackboard system to communicate with you via email. Therefore, it is very important that your UTC email address is current. If you do not read your UTC email, please have it go to the address you do read. Failure to read an email will not relieve you of the responsibility of knowing the information. By default, the Blackboard system is setup to use your UTC email account. **Read your emails. Important information will come from me to you through email. Failure to read an email is not an excuse to not comply with any directions given.**

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## **ATTENDANCE IS MANDATORY.**

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I will take attendance during class. It counts as 10% of your grade. You are expected to be in class. Your attendance will be average to get your grade. There are no certain number of classes you can miss. Remember that missing a class in summer school is equivalent to missing a week of regular classes.

Your lab assignments will be divided into two parts. One portion of your lab will be due at the end of the lab class and the other portion will be due at the **beginning** of the next class period (not lab period) unless otherwise informed. Any lab exercise/assignment turned in after it is due will be penalized **25% per lab period** late. Labs later than 2 lab periods will not be accepted for grade. Being late to a class is not excuse for turning in late labs. Instructions for each lab exercise are supplied on Black Board and submitted in Black Board.

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## **CODE OF CONDUCT:**

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**Any students submitting labs showing evidence of inappropriate collaboration or one person doing the work will receive a warning and a 0 for that lab grade for the first offence. Both the giver and receiver of the help may be penalized. Subsequently violations will be treated as an honor code violation and may result in failure in the class. Code copied from the internet will be considered an honor code violation and will be treated as such.**

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## **STUDENT RESPONSIBILITIES:**

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You are required to read the schedule and what material will be covered and when each test will be given. Exceptions to the printed course schedule will be announced in class, announced on blackboard, or shown in a revised schedule. It is your responsibility for knowing of the change not the instructor's. You are responsible for preparing for each lab in advance including carefully reading all materials and bringing the correct books and materials to class. Failure to bring the correct materials will not excuse you from meeting the requirements of the lab.

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## **IMPORTANT DATES FOR FALL 2013:**

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|--|--------------------------------|
| Class begins                           | August 19, 2013                |
| Last Day to withdraw without a W       | September 1, 2013              |
| Labor Day Holiday                      | September 2, 2013              |
| Midterm grade notifications            | September 30 – October 4, 2013 |
| Last official day to withdraw with a W | October 20, 2013               |
| Fall Break                             | October 21-22, 2013            |
| Thanksgiving Break                     | November 28-December 1, 2013   |
| Last Day of Classes                    | December 2, 2013               |
| Final Exam                             | December 6 – (2-4)             |

**This syllabus is subject to change with notification on blackboard, email, or other written notification.**