

CSC 1200: Principles of Computing

Course Syllabus

Professor:

Bill Eberle
Office: 413 Bruner Hall
Phone: 372-3278
Email: weberle@tntech.edu
Office Hours: Monday and Wednesday (10:00-11:30)

Teaching Assistant:

Katherine Brown (kebrown46@students.tntech.edu)
Office: Library Commons
Office Hours: MW 8:00-10:00

Class Lectures:

206 Bruner Hall
Monday/Wednesday/Friday: 1:25-2:20

Section Number(s): 002
Credit Hours: 3 hours
Teaching Methods: Lecture and discussion
Prerequisites: ACT Math score of at least 25, OR, D or better in MATH 1710, 1720, 1730, or 1910 (may be take concurrently)

Introduction

Topics include:

- I. Computing is a creative activity – explore new ways to express your creativity!
- II. Abstraction reduces information and detail to allow you to focus on relevant concepts – a critical problem solving skill.
- III. Data and information facilitate the creation of new knowledge.
- IV. Algorithms are used to develop and express solutions to computational problems.

- V. Programming enables problem solving, human expression and creation of knowledge. We will use Scratch/BYOB to introduce programming concepts, as well as the App Inventor to design apps for the Android
- VI. The Internet pervades modern computing – how does it work? Computing has global and social impacts – opportunities exist to help others and change the world with new technology!

Textbook

Blown to Bits, by Abelson, Ledeen, and Lewis (free download at: <http://www.bitsbook.com/excerpts/>)

App Inventor 2: Create Your Own Android Apps, by Wolber, Abelson, Spertus, and Looney (free download at: <http://www.appinventor.org/book2>)

Schedule

See the class website for the list of class chapters/topics, semester schedule, due dates for assignments, quiz dates, and exam dates for this class.

Grading and Assessment

The grade distribution for this class is shown below.

Assignments	20%
Projects	30%
Quizzes	15%
Exam 1	10%
Exam 2	10%
Final Exam	15%

Assignments

The assignments are intended to provide students with the opportunity to apply what they are learning in this course. The duration of assignments will vary. **No late assignments will be accepted.**

Projects

The projects are intended to provide students with the opportunity to apply what they are learning in this course in a team environment. The duration of projects will vary.

Quizzes

Quizzes will be given in class throughout the semester. *No make-up quizzes will be given.*

Exams

Material covered on the exams will be based on the book(s) and material covered in class. There are **NO** make-up exams after the scheduled times. If a student notifies the instructor **IN ADVANCE**, then an early make-up exam *MAY* be arranged at the discretion of the instructor. The instructor's decision is final.

General Etiquette

Please turn off all cell phones and pagers while you are in lecture. Be courteous and do not surf the web or write email during the lecture.

Please arrive on time so that you do not cause a disruption in the middle of class.

Miscellaneous

The class syllabus, schedule, and other information will be available on the class website as it is developed. You are responsible for checking the class website regularly for information such as due date changes and assignments.

NOTE: Do NOT use the class iLearn web-site e-mail server for corresponding directly with the instructor. You MUST use the e-mail instructor's e-mail listed at the top of this syllabus.

Grading Issues

Requests for re-evaluation of assignments are limited to seven (7) calendar days after the assignment is returned. Every assignment submitted for re-grading must be given to the instructor in its entirety and will be completely re-graded. Assignments will **NOT** be re-evaluated in the classroom.

Ethics and Academic Integrity

All work in this class must be done individually. If you use material found on the web, AND have received permission from the instructor to use said material, you must reference any and all material you use. Anyone cheating on work in this class will receive a failing grade for the work and will be subject to the university's academic dishonesty policy. **Cheating involves giving assistance or receiving assistance on work assigned in this class.** If you have any questions regarding an assignment, quiz or exam, see the instructor or teaching assistant.

A Statement of Ethics will be provided for you to read, sign, return, and follow. Violators of the ethics code will be reported to the Chair of the Department of Computer Science and penalties will be levied as described in the Statement of Ethics.

Tennessee Tech University Student Email Policy

The University sends official communications to all Tennessee Tech email addresses. All students receive an @students.tntech.edu email address. This address will receive notices about schedules, grade results, billing information, emergency alerts, important deadlines, a daily email newsletter, and all other official university information. It is your responsibility to read and manage this email.

See: <https://www.tntech.edu/its/emailinfo/studentemail>

Please add my email, weberle@tntech.edu to your approved recipients list to ensure you will receive any correspondence in regards to this course. Please note the instructor of this course is not responsible for missed email communication directed to your spam folder.