

Start Up Guide - CS100

Fall 2015

The Computer Science Profession

1. Introduction

This course presents an overview of the fundamental activities, principles, and ethics of the computer science profession. Topics related to the discipline of computer science, examples of careers, the history of computing and experience with elementary computing tools are included. This course will meet on Tuesdays at 3:30pm in the Chemistry-Physics building room 155 (NOTE: this is a *room change* as of 31 August 2015).

1.1 Professor

The professor for this course is Dr. Brent Seales (<http://dmn.netlab.uky.edu/~seales>). The course homepage is <http://dmn.netlab.uky.edu/~seales/cs100.html>. Office hours: 1-3pm Tuesdays; 10-12am Wednesdays. Office location: 102G Davis Marksbury Building (<http://ukcc.uky.edu/cgi-bin/dynamo?maps.391+campus+0633>). Office phone: (859) 257-3961.

1.2 Course Materials

Course materials (assignments, calendar entries, additional readings, other information) will be available online through the [course web page](#). You are responsible for obtaining a copy of the book we will read for this course: “*Team Geeks: A Software Developer’s Guide to Working Well With Others*” (by Brian Fitzpatrick and Ben Collins-Sussman, O’Reilly Media, ISBN-13: 978-1449302443). Chapter numbers on the syllabus refer to this book. You are also required to purchase and register a TurningPoint clicker for this course.

1.3 The TurningPoint Clicker

Purchase of your clicker: The TurningPoint clicker is required for this course. It is a device that is available from most textbook stores for about \$40. It is currently \$32 online at the TurningTechnologies online store – use school code 8OeJ (number eight, capital "O", lower case "e", capital "J") for the discount.

Registration of your clicker: You must *register* your clicker in Blackboard for this course. The UK Blackboard link is <https://elearning.uky.edu/>, and when you log in using your UK credentials you will see options for device registration for your courses. The web page <http://www.uky.edu/ukit/avservices/turning-point> gives the steps for how to register your device. Note: you must select a class in Blackboard in order to see the “Course Tools” and “TurningPoint Registration Tool” option. CS100 has been made active so you can select it in order to see the clicker registration options.

2. Expectations

Students should have knowledge of high school algebra and an interest in the field of Computing. Students will learn about computer science as a profession and as an academic discipline. They will develop an appreciation for the role of computer science in society. They will be introduced to basic computing terminology. At the conclusion of the course, the successful student will be able to discuss:

- The discipline of computer science and its role in society;
- Career opportunities available to computer science majors;
- Employer expectations of computer science graduates;
- Ethical and professional responsibilities of a computing professional;
- The importance of life-long learning.

In addition, students will gain experience working in teams.

3. Grading and Assignment Policies

Your grade in the course will be determined by your attendance and your performance on homework assignments and the two in-class quizzes. The contribution of each component to your grade is as follows:

Attendance:	50%	90-100	A
Homework:	30%	80-89	B
Quizzes:	20%	70-79	C
		60-69	D
		0-59	E

Attendance: This is the most important part of your grade for this class. There are 15 classes: you are required to attend them all. Your attendance will be recorded using TurningPoint, so you *must purchase and register* this device. Attendance will be taken at the beginning of class. If you miss the attendance click-in, you will be counted absent. You must provide acceptable documentation for *any* excused absence (Doctor's note). Specifically, you must provide at least Tier 2 documentation. A Tier 1 document is not acceptable. See <http://ukhealthcare.uky.edu/uhs/student-health/attendance/> for an explanation of the Tier system. "No documentation" means the absence will be unexcused. If you miss class for a legitimate unforeseen reason (e.g., illness, death in the immediate family), please contact the instructor as soon as possible after your absence and provide documentation. If you know in advance you will miss class for any reason, inform the instructor as soon as you know.

Homework: There will be periodic homework assignments, usually requiring you to do a little research, interact with others, or be creative in some way. The due dates are on the syllabus and will be noted again when the assignments are released. *Late homework will not be accepted.* Instructions for online submission of homework assignments are on the course web page (see above).

Quizzes: There will be two in-class quizzes, noted on the syllabus. Each will last about 30 minutes, and will cover material covered in class up to that point. A study guide will be provided before each quiz. There will be *no final exam during* finals week.

4. Academic Conduct

Individual work (attendance click-ins, homework, quizzes) must be your own. You may discuss ideas with others, but no plagiarism of work will be allowed. The University of Kentucky's guidelines regarding academic dishonesty will be strictly enforced: http://www.uky.edu/Ombud/ForStudents_AcademicIntegrity.php

If you need to refer to someone else's work, or if you collaborate with someone, *cite them explicitly*. Plagiarism, including misrepresenting others' work as your own, will not be tolerated in any form. Note that *assisting someone to be counted present who is actually absent is an academic offense*. For this purpose *your entire attendance grade is considered one assignment*; you definitely should think about the implications of that statement before you answer for someone during attendance. Academic offenses are defined in Section 6.3 of the University Senate Rules (found at the above link). You are expected to have read and abide by those rules. When academic dishonesty is suspected, the procedures specified in Section 6.4 of the University Senate Rules will be followed.

5. In-Class Courtesy and Engagement

It is your responsibility to attend class consistently and remain engaged during those periods of time. Engagement means that you are paying attention to the class activity. It means that you are not "texting" via some device, reading your email, talking on your cell phone, tweeting, photo-bombing, instagramming, vining, google-glassing, or involving yourself in any activity that is a distraction from the instructional effort that has been prepared for you.

Electronics *may not be used in class at any time* unless explicitly required for a class exercise. If at any time a device is used when it is not explicitly part of an in-class activity, you will be asked to turn it off, and the expectation is that you will comply with the request. If you refuse to comply you will be asked to leave the class, and you will be counted absent. If you are called on to participate in class, the expectation is that you will be prepared to play your part in the discussion at hand. The goal of the class gatherings is to engage thoughtfully and authentically with the instructor, the material, and the community of your classmates.

We will have a number of guest speakers, and you are expected to behave during lectures in a manner that reflects positively on yourself, the University, and the CS department. Talking, whispering, texting, or using electronics when a guest is speaking is rude, not only to the speaker, but also to others who are trying to listen. Those who disturb the class will be asked to leave, and will be marked absent for that day. Repeated infractions will result in grade reduction and even failing the course.

6. Course Evaluation Questions

These questions will appear on the final course evaluation. The goal of the course is to provide a directed and comprehensive learning experience that will enable you to offer the highest rating on each of the questions. In order for that to happen, you will need to work hard to do your part – attend lectures, study the material, do the readings, homework.

The course has helped me to improve my ability, my understanding, or my knowledge in the following categories:

37. I have a better understanding of the computer science academic discipline.
38. I have a better understanding of what is expected of me as a computer science student.
39. I have a better understanding of what careers are available to computer science students.
40. I have a better understanding of what professional skills are required of me by employers in the information technology discipline.
41. I have a better understanding of professional and social issues and responsibilities
42. This course has enhanced my ability to function effectively on a team to accomplish a common goal.

7. Frequently Asked Questions

Q: I think I might have just read somewhere that you are telling me I can't use my phone in the middle of your class. Is that possibly right, because that is, like, insane.

A: Yes, that is correct. You may not use electronics in this class unless expressly asked to do so for a class exercise.

Q: Now I'm going to have to refer back to another question that came earlier, which is the one about NO ELECTRONICS. Is that really a thing?

A: Yes, that is a thing in CS 100 Fall 2015.

Q: I think it might be impossible for me to sit for your class without texting. Or something.

A: That is not a question.

Q: Not to belabor the point, but it is going to be EXTREMELY BORING for me to sit and actually listen to you without texting, chatting, reading email, and surfing some pretty amazing web pages. I mean, I'm only taking this class because it was some kind of a requirement anyway, so that's pretty harsh.

A: Again, that is not a question. Let's move on.

Q: \$40 is too much for a clicker, so I'm not going to buy one. Instead I will just come down and talk to you at the end of every class and give you an excuse about how I was here but didn't click in. So that's ok to do for the whole semester, right?

A: No. The clicker is required. If you cannot get your own, you should drop the class.

Q: I heard that the class starts at 3:30pm but I don't get off shift until 4:21 and it will take me a few minutes to get a Starbucks triple skim double shot latte on the way over. Is that ok?

A: No. You will need to click in at the beginning of every class. If you do not, you will be counted absent for the class.

Q: I saw that attendance is going to count for, like, half my grade. What? Because for sure I'll be missing the one before Thanksgiving and then some college football road trips and stuff. I hope that's ok?

A: It is not ok. Attendance at every class is required. Attendance will count for half your grade. Only excused absences will not impact your attendance grade.

Q: Will you be giving hard copy handouts of all notes and presentation material?

A: No. Material will be available on the class website.

Q: Is it true that you won't accept work turned in late?

A: Yes, that is true. Meet the deadline.

Q: Is the group project going to involve a group with more people in it than just me?

A: Yes.

Q: May I choose who is in my group?

A: Yes. You will get the chance to provide input on who you would like to be in your group.

Q: So you are saying that I have to come to class and pay attention while I am there in order to get a good grade?

A: No. You are required in this course to attend class, arrive on time, and pay attention. That's just normal behavior. Your grade and your success will be up to you.