COMP 1000 Computing for All – Fall 2019

Dr. Amy Cook

Contact Information:

Office: Dunn Hall 216A (temporarily)
Email: ascook@memphis.edu
The best way to get in touch with me is through email – I will almost always respond within 24 hours during the workweek.

Office Hours:

By appointment – email me and we'll find a time that works for you.
Students who attend office hours at least once before Sept 13th will earn 2 bonus points on their first quiz!

Lecture Meeting Times/Locations:

TR 4:20-5:25 pm Dunn Hall 101

Catalog Description:

COMP 1000 – Computing for All (3) An introduction to computational thinking and computing applications, including creative problem solving, graphic novels, digital arts, social media, artificial intelligence, and impacts of computing on society. NOTE: This course may not be used as a COMP elective to fulfill the requirements of the major or minor in Computer Science.

Course Website:

Assignments, notes, grades, etc. will be posted to the eCourseware system at https://elearn.memphis.edu.

Required Texts:

[SG] Schneider and Gersting, *Invitation to Computer Science*, Cengage Learning.
Any edition 6th or later is fine. You can rent from Amazon for ~$15

[D] Downey, *Think Python: How to Think like a Computer Scientist*, 2nd ed., Green Tea Press.
Available free online at https://greenteapress.com/wp/think-python-2e/

Evaluation:

Attendance & Participation	50 pts
Homework	200 pts
Quizzes (200+200+200)	600 pts
Projects (100+100)	200 pts

Final grade: add up your point total and divide by 100. Note that the highest possible percentage grade is 105%. This gives you some built-in buffer in case your second cousin's ex-wife's brother-in-law has a funeral that forces you to miss a class, or a temporary zombie apocalypse happens to just your neighborhood, or whatever. This also means I'll be strict about enforcing assignment deadlines. Please don't beg me for credit for late assignments.

Grading Scale: Letter grades will be determined as follows:

A+: 96% and above;	**A**: 90-95%	
B+: 87-89%;	**B**: 81-86%;	**B-**: 79-80%
C+: 77-78%;	**C**: 71-76%;	**C-**: 69-70%
D+: 67-68%;	**D**: 60-66%	
F: Below 60%		

Attendance & Participation:

I will take attendance at every class meeting. As mentioned above, this counts for a small part of your final grade. You get 1 "free" unexcused absence for the semester; any additional missed classes will be counted against your attendance points.

You are expected to participate in class, both verbally and by completing in-class practice activities.

Late/Makeup Policy:

All assignments are expected to be completed and turned in on schedule. Due dates will be clearly indicated for each assignment. Late assignments are NOT accepted except in extreme circumstances. Likewise, makeup quizzes and exams will be given only under extreme circumstances. If you feel that your circumstances warrant a late work submission or a makeup quiz/exam, get in touch with me as **early** as possible. Be prepared to show some kind of documented proof of your situation.

Plagiarism/Cheating Policy:

An essential part of learning any skill is getting plenty of practice with it yourself. As such, I expect all assignments in this class (unless explicitly indicated otherwise) to be done individually. I don't mind if you discuss general solution approaches with other students, but the work that you hand in should always be your own.

If I determine that you have copied something directly from a book, the Internet, or some other source, you will receive a failing grade on the assignment and (at my discretion) a failing grade in the course. If I determine that you have copied another student's assignment, this will happen to both you and the person from whom you copied. The incident may also be forwarded to the University Judicial Affairs Office for further disciplinary action. Please don't put me in this situation.

Getting Help:

Although I expect your work for this class to be done individually, I encourage you to seek help if you get stuck:

- Come talk to me! I'm very willing to sit down and try to provide hints without giving away the solution.
- The Computer Science Learning Center (Dunn Hall 208) is open throughout the week. The center is staffed by upper-level undergraduate students who have done well in their courses and can give you one-on-one help. Hours will be posted on the door of Dunn Hall 208 as well as online at http://www.memphis.edu/cs/current_students/cslc.php.

Miscellaneous Policies:

Email - Please check your University of Memphis email account at least once a day, as that is my primary means of communicating with you outside of class.

Student Disabilities - If you have a disability that may require assistance or accommodations, or if you have any questions related to any accommodation for testing, note taking, reading, etc., please speak with me as soon as possible. You must contact the Disability Resources for Students office (678-2880) to officially request such accommodations / services.

Mental Health & Wellness – Everyone needs someone to talk to. It's ok to get help. The student counseling center offers confidential and (almost always) free services to enrolled students. Contact them at (901) 678-2068 or at counseling@memphis.edu

Emergencies on Campus – call campus police if you are in an emergency situation on campus. 901-678-HELP (4357)

(Very) Tentative Course Schedule:

Date	Lecture Material	Text	Homework	Bonuses
8/27 8/29	Introduction to computer science Computer hardware	[SG] Ch. 1 [SG] Ch. 5		Don't forget to come to office hours for 2 bonus points!
9/03 9/05	Number systems & binary numbers	[SG] Ch. 2 [SG] Ch. 4	HW 1 assigned	
9/10 9/12	Boolean expressions	[SG] Ch. 4	HW 2 assigned	
9/17 9/19	**Quiz 1** How the Internet works: Networking and Security	[SG] Ch. 7, 8		
9/24 9/26	Beyond the Basics: Subfields of Computer Science		HW 3 assigned	
10/01 10/03	Societal Aspects of Computing	[SG] Ch. 17		
10/08 10/10	**Quiz 2** Introduction to programming	[D] Ch. 1		Mid Course Eval
10/15 10/17	*NO CLASS – Fall Break* Programming	[D] Ch. 2, 5, 7	HW 4 assigned	
10/22 10/24	Programming	[D] Ch. 2, 5, 7	HW 5 assigned	
10/29 10/31	Programming **Quiz 3**	[D] Ch. 2, 5, 7		
11/05 11/07	Project 1: Creating an interactive graphic novel			
11/12 11/14	Finish up Project 1 **Project 1 presentations**			
11/19 11/21	Project 2: Introduction to graphics, animation, and games			
11/26 11/28 12/03	Finish up Project 2 *NO CLASS – Thanksgiving* **Project 2 presentations**			Final Reflection