

CSCE100
Tentative Course Schedule (Lectures and Assignments) (Tentative)
Fall 2019

Week No.	Lecture 1	Lecture 2	Reading	Assignments
1 (Aug 25)	Intro, Computational Thinking	Computational Thinking, Chutes and Ladder	Wing (2006), CACM	
2 (Sep 02)	What's Coding, Python: Basics, IO	What's Coding, Python: Conditionals	Ford (2015), BusinessWeek; http://anh.cs.luc.edu/hudsonPythonTutorial/index.html https://devguide.python.org/documenting/	PA1: Hello World
3 (Sep 09)	Creative Thinking, Design Thinking	Digital Document Processing & Library of Congress (Yi Liu and Mike Pack)	Berkun (2008); Fast Company (2006)	PA2 Hello Data
4 (Sep 16)	Python: Data Structures, Loops	Python: Data Structures, Loops	Python Tutorial (see above)	
5 (Sep 23)	Review	Exam 1		
6 (Sep 30)	Python: File I/O, Functions	Python: File I/O, Functions	Python Tutorial (see above)	PA3: Hello Data File
7 (Oct 07)	Example of Informatics at Work: Twitter Data and Social Unrest (Prof. Joshi)	Final Project Assignment and Discussion	https://www.loc.gov/strategic-plan	PA4: Hello Functions; FP: Twitter Data + Social Unrest
8 (Oct 14)	MySQL Database	Statistical Thinking		PA5: Hello Databases,
9 (Oct 21)	Fall Break	Final Project Discussion		
10 (Oct 28)	Data Mining (Prof. Samal)	Final Project Ideas		
11 (Nov 04)	Data Visualization (Prof. Yu)	Digital Journalism (Prof. Waite)		

12 (Nov 11)	Statistical Thinking	Adaptive Decision Making (Prof. Stevens)		
13 (Nov 18)	Review	Exam 2		
14 (Nov 25)	Bioinformatics (Prof. Cui)	Thanksgiving Break		
15 (Dec 02)	Statistical Thinking	Big Data + Artificial Intelligence	IBM Infographic, Google Flu Trend (https://gking.harvard.edu/files/gking/files/0314policyforumff.pdf) Marr (2017), Forbes https://www.darpa.mil/about-us/darpa-perspective-on-ai	
16 (Dec 09)	Final Project Demos	Final Project Demos		