

CSCE100
Tentative Course Schedule (Lectures and Assignments) (Tentative)
Fall 2020

Week No.	Lecture 1	Lecture 2	Reading	Assignments
1 (Aug 17)	Introduction	<i>Data Science</i>		
2 (Aug 24)	<i>Computational Thinking</i> , Chutes and Ladder	What's Coding, Python: Basics, IO	Wing (2006), CACM Ford (2015), BusinessWeek; Python Tutorial: http://anh.cs.luc.edu/handsonPythonTutorial/index.html https://devguide.python.org/documenting/	
3 (Aug 31)	What's Coding, Python: Conditionals	<i>Creative Thinking, Design Thinking</i>	Berkun (2008); Fast Company (2006)	PA1: Metric Converter
4 (Sep 07)	Python: Data Structures, Loops	Python: Data Structures, Loops	Python Tutorial (see above)	PA2: Sentence Analyzer
5 (Sep 14)	<i>Statistical Thinking</i>	Python: File I/O, Functions	Python Tutorial (see above)	PA3: Data File Statistics Generator
6 (Sep 21)	Python: File I/O, Functions	Final Project Assignment		PA4: Functions
7 (Sep 28)	MySQL <i>Database</i>	<i>Statistical Thinking</i>		PA5: Databases
8 (Oct 05)	<i>Data Visualization (Prof. Yu)</i>	<i>Data Mining (Prof. Samal)</i>	IBM Infographic, Google Flu Trend (https://gking.harvard.edu/files/gking/files/0314policyforumff.pdf)	
9 (Oct 12)	<i>Digital Library (Prof. Lorang)</i>	<i>Digital Geography (Prof. Shepard)</i>		

10 (Oct 19)	Exam 1	Bioinformatics (Prof. Cui)		
11 (Oct 26)	Health & SNA (Prof. Khan)	Social Unrest (Prof. Joshi)		
12 (Nov 02)	Digital History (Mr. Hoehne)	Final Project Updates		
13 (Nov 09)	<i>Big Data + Artificial Intelligence</i>	<i>Machine Learning + Deep Learning</i>	https://www.loc.gov/strategic-plan ; Marr (2017), Forbes https://www.darpa.mil/about-us/darpa-perspective-on-ai	
14 (Nov 16)	Final Project Demos	Final Project Demos		