

CSCE100
Tentative Course Schedule (Lectures and Assignments) (Tentative)
Fall 2021

Week No.	Lecture 1	Lecture 2	Reading	Assignments
1 (Aug 23)	Introduction	<i>Data Science</i>		
2 (Aug 30)	<i>Computational Thinking</i>	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 (Sep 06)	What's Coding, Python: Conditionals	<i>Creative Thinking, Design Thinking</i>	Berkun (2008); Fast Company (2006)	PA1: Metric Converter
4 (Sep 13)	Python: Data Structures, Loops	Python: Data Structures, Loops	Python Tutorial (see above)	PA2: Sentence Analyzer
5 (Sep 20)	<i>Statistical Thinking</i>	Python: File I/O	Python Tutorial (see above)	PA3: Data File Statistics Generator
6 (Sep 27)	Python: Discussions	Exam 1		
7 (Oct 04)	Python: Functions	Python: Functions		PA4: Functions
8 (Oct 11)	<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 18)	FALL BREAK	Final Project Assignment		
10 (Oct 25)	MySQL <i>Database</i>	<i>Statistical Thinking II</i>		PA5: Databases

11 (Nov 01)	<i>Big Data + Artificial Intelligence</i>	<i>Big Data + Artificial Intelligence</i>	https://www.loc.gov/strategic-plan ; Marr (2017), Forbes https://www.darpa.mil/about-us/darpa-perspective-on-ai	
12 (Nov 08)	Final Project Updates	Exam 2		
13 (Nov 15)	Digital Library & Poem Analysis (Mike Pack + Yi Liu)	Digital History (Prof. Jagodinsky)		
14 (Nov 22)	<i>POJI</i>	THANKSGIVING BREAK		
15 (Nov 29)	Social Unrest (Prof. Joshi)	<i>Machine Learning + Deep Learning</i>		
16 (Dec 6)	Final Project Demos	Final Project Demos		