

**CSCE100**  
**Tentative Course Schedule (Lectures and Assignments) (Tentative)**  
**Fall 2018**

Week No.	Lecture 1	Lecture 2	Reading	Assignments
1 (Aug 20)	Intro, Computational Thinking	Computational Thinking, Chutes and Ladder	Wing (2006), CACM	
2 (Aug 27)	What's Coding, Python: Basics, IO	What's Coding, Python: Conditionals	Ford (2015), BusinessWeek; <a href="http://anh.cs.luc.edu/handsonPythonTutorial/index.html">http://anh.cs.luc.edu/handsonPythonTutorial/index.html</a> <a href="https://devguide.python.org/documenting/">https://devguide.python.org/documenting/</a>	PA1: Hello World
3 (Sep 03)	Creative Thinking, Design Thinking	Algorithm	Berkun (2008); Fast Company (2006)	CCE1: Everyday Object, PA2 Hello Data
4 (Sep 10)	Python: Data Structures, Loops	Python: Data Structures, Loops	Python Tutorial (see above)	
5 (Sep 17)	Python: File I/O, Functions	Python: File I/O, Functions	Python Tutorial (see above)	PA3: Hello Data File
6 (Sep 24)	<b>Review</b>	<b>Exam 1</b>		
7 (Oct 01)	Example of Informatics at Work: Library of Congress Strategic Plan	Algorithm	<a href="https://www.loc.gov/strategic-plan">https://www.loc.gov/strategic-plan</a>	PA4: Hello Functions, CCE2: Pathfinding
8 (Oct 08)	MySQL Database	Python: DB		PA5: Hello Databases, FP: Chronicling America
9 (Oct 15)	<b>Fall Break</b>	<b>Final Project Discussion</b>		
10 (Oct 22)	Dr. Ashok Samal's Talk	<b>Final Project Ideas</b>		
11 (Oct 29)	Data Visualization	Dr. Liz Lorang's Talk		
12 (Nov 05)	Statistical Thinking	Statistical Thinking		
13 (Nov 12)	<b>Review</b>	<b>Exam 2</b>		
14 (Nov 19)	Applications	<b>Thanksgiving Break</b>		
15 (Nov 26)	Big Data	Artificial Intelligence	IBM Infographic, Google Flu	

			Trend ( <a href="https://gking.harvard.edu/files/gking/files/0314policyforumff.pdf">https://gking.harvard.edu/files/gking/files/0314policyforumff.pdf</a> ) Marr (2017), Forbes <a href="https://www.darpa.mil/about-us/darpa-perspective-on-ai">https://www.darpa.mil/about-us/darpa-perspective-on-ai</a>	
<b>16 (Dec 03)</b>	<b>Final Project Demos</b>	<b>Final Project Demos</b>		