

GINA SPRINT
CPTS 111 - INTRODUCTION TO ALGORITHMIC PROBLEM SOLVING
(Spring Semester 2017)

COURSE SCHEDULE

Week	Monday	Tuesday	Wednesday	Sunday
1	L1-1 Intro MA1 Scavenger Hunt Syllabus Overview	Lab0 Environment Setup (on your own, no official lab meetings this week)	L1-2 Intro II Read Ch. 1 (General Introduction) in How to Think Like a Computer Scientist textbook MA1 Due	
2	MLK Day, no class	Lab1 Intro to Python zB Ch. 1, 2, 3 (Participation) Due	L2-2 Arithmetic PA1 Arithmetic (Carbot) Read Ch. 2 (Simple Python Data) and 3 (Debugging Interlude 1)	
3	L3-1 Arithmetic II Python Coding Standard zB Ch. 1, 2, 3 (Challenge) Due	Lab2 Arithmetic zB Ch. 4 (Participation) Due	L3-2 Modules Read Ch. 5 (Python Modules)	zB Ch. 5 (Participation) Due
4	L4-1 Functions Read Ch. 6 (Functions) zB Ch. 4 (Challenge) Due	Lab3 Functions	L4-2 Functions II PA2 Functions(Google Maps Pairwise Distances) PA1 Due	zB Ch. 5 (Participation) Due
5	L5-1 Functions III zB Ch. 5 (Challenge) Due @ Midnight	Lab4 More Functions Read Ch. 4 (Python Turtle Graphics) zB Ch. 6 (Participation) Due	L5-2 Conditionals I MA8 POGIL Overview Read Ch. 7 (Selection)	
6	L6-1 Conditionals II MA9 PA3 Conditionals (Are you a fan quiz) zB Ch. 6 (Challenge) Due	Lab5 Conditionals and Review	L6-2 Review PA2 Due	
7		Lab6 More Conditionals	Exam 1	zB Ch. 7 (Participation) Due
8	L8-1 Loops	Lab7 Loops zB Ch. 8 (Participation) Due	L8-2 Loops II MA11 PA4 Loops (Game of Craps) Read Ch. 4 (Python Turtle Graphics) and 8 (More About Iteration) PA3 Due	zB Ch. 9 (Participation) Due

9	L9-1 Loops III zB Ch. 7,8,9 (Challenge) Due	Lab8 More Loops	L9-2 Files Read Ch. 11 (Files)	
10	L10-1 Files II MA14 zB Ch. 10 (Participation)	Lab9 Files	L10-2 Strings PA5 Files and Strings Read Ch. 9 (Strings) PA4 Due	
11	L11-1 Strings II zB Ch. 10 (Challenge) Due	Lab10 Strings and Review	BonusPA L11-2 Review	
12	Exam 2	Lab11 More Strings zB Ch. 11 (Participation) Due	L12-2 Lists PA6 Lists (PPM Image Modifier) Read Ch. 10 (Lists) PA5 Due	
13	L13-1 Lists II zB Ch. 11 (Challenge) Due	Lab12 Lists	L13-2 Lists III MA20	
14	L14-1 Binary	Lab13 Lists, Tuples, Hardware (Lightboard Lab) zB Ch. 12 (Participation) Due	L14-2 Dictionaries Read Ch. 12 (Dictionaries) PA7 (Game of Student's Choice) MA20 Due	
15	L15-1 Review zB Ch. 12 (Challenge) Due	Lab14 Dictionaries and Review	L15-2 Fun CS Stuff! PA6 Due	
16	Section 01 Final	Section 03 Final		