

CSC/CYEN 131: The Science of Computing II

Last updated:

29 Nov 2017

		Lessons	Raspberry Pi Activities	Puzzles	Videos	Assessments	
WEEK 1	1	Housekeeping		Alphabet Equation – How Many Zeros?	Ira Glass on Storytelling		W
	2	More Python				Program 1 How Many Zeros?	F
	3						M
WEEK 2	4	The Object Oriented Paradigm				Program 2 Sort Comparisons and Swaps	W
	5					F	
	6						M
WEEK 3	7	The Object Oriented Paradigm				Program 3 A Simple Vehicle Class	W
	8			Oddball Sum – AB + BA = CDC	Stomo	F	
	9		Pi Activity 1 Room Adventure				M
WEEK 4	10	The Object Oriented Paradigm				Program 4 Fraction Enhance	W
	11					F	
	12					Exam 1 More Python The Object Oriented Paradigm	M
WEEK 5	13	Number Systems and Binary Arithmetic				Exam 1 Review (optional)	W
	14					F	
	15				Mary's Siblings – Jar of Marbles	Kara – Detroit: Become Human	Program 5 A Simple Vehicle Class...Reloaded

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	Date	Lessons	Raspberry Pi Activities	Puzzles	Videos	Assessments	Day
WEEK 6	16		<div style="background-color: lightgreen; padding: 5px; text-align: center;">Pi Activity 2 My Binary Addiction</div>				F
	17					<div style="background-color: lightgrey; padding: 5px; text-align: center;">Exam 2 Number Systems and Binary Arithmetic</div>	M
	18	<div style="background-color: yellow; padding: 5px; text-align: center;">Beam Graphical User Interfaces</div>				<div style="background-color: lightgrey; padding: 5px; text-align: center;">Exam 2 Review (optional)</div>	W
WEEK 7	19	Chaos					F
	20			<div style="background-color: cyan; padding: 5px; text-align: center;">Various Sequences – The Look and Say Sequence</div>	<div style="background-color: magenta; padding: 5px; text-align: center;">The Singularity</div>	<div style="background-color: lightgrey; padding: 5px; text-align: center;">Program 6 A Foolproof Game</div>	M
	21		<div style="background-color: lightgreen; padding: 5px; text-align: center;">Pi Activity 3 The Reckoner</div>				W
WEEK 8	22	Recursion					F
	23					M	
	24	High Level Data Structures		<div style="background-color: cyan; padding: 5px; text-align: center;">Birthday of Three Sons – Three Switches and a Bulb</div>		<div style="background-color: lightgrey; padding: 5px; text-align: center;">Program 7 Sort Comparisons and Swaps...Reloaded</div>	W
WEEK 9	25	High Level Data Structures					F
	26					<div style="background-color: lightgrey; padding: 5px; text-align: center;">Exam 3 Chaos Recursion High Level Data Structures</div>	F
	27		<div style="background-color: lightgreen; padding: 5px; text-align: center;">Pi Activity 4 Simon</div>			<div style="background-color: lightgrey; padding: 5px; text-align: center;">Exam 3 Review (optional)</div>	M
WEEK 10	28		<div style="background-color: lightgreen; padding: 5px; text-align: center;">Pi Activity 4 Simon</div>				W
	29	SLACK					F
	30	SLACK					M