

		Section		Topic		Notes or Briefing Materials
		Python	Java			
		27-Aug	22-Aug	Introduction and Logistics of Class		
		27-Aug	22-Aug	Installation of IDE	Python Eclipse	
		27-Aug	22-Aug	Hello World / Vocabulary		
		27-Aug	22-Aug	Troubleshooting and debugging		Mostly Eclipse IDE
		27-Aug	29-Aug	How Computers represent data		
		27-Aug	29-Aug	Binary math		
		27-Aug	29-Aug	Basic Assignments		
		27-Aug	29-Aug	Modules, Modularity	Modules File singularity	
		27-Aug	5-Sep	Data types		
		27-Aug	5-Sep		Numbers	
		27-Aug	5-Sep		Strings	
		27-Aug	5-Sep	Arrays/Lists/Arraylists	Tuples,dictionary - Python	
		27-Aug	12-Sep	Other containers		
		17-Sep	12-Sep	Casting	Also: problems with casts	
		17-Sep	12-Sep	Sequencing		
		17-Sep	12-Sep	Selection		
		17-Sep	12-Sep	Iteration		
		17-Sep	19-Sep	main() and command line parameters	Parameters vs Arguments (Both)	
		17-Sep	19-Sep	returning values to the operating system		
		17-Sep	19-Sep	methods		
		17-Sep	19-Sep	input parameters to methods		
		17-Sep	26-Sep	Return values from parameters		
		17-Sep	26-Sep	Pass by copy or reference copy		
		17-Sep	26-Sep	Procedures		
		17-Sep	26-Sep	Methods		
		15-Oct	3-Oct	Classes & Polymorphism	Object Python POCs in Java (Up/Dn Casting)	
		15-Oct	3-Oct		Fields of a class	
		15-Oct	3-Oct		Constructors	Constructor overloads (Java Only)
		15-Oct	17-Oct		Getters and Setters	
		15-Oct	17-Oct		Display/Dump methods	
		15-Oct	17-Oct		Other libraries	
		15-Oct	24-Oct	Container classes		
		15-Oct	24-Oct	File I/O		
	n/a		24-Oct	Interfaces	Java Only	
		5-Nov	7-Nov	GUI Basics	Tkinter in Python JavaFx for Java (Swing if needed)	
		5-Nov	7-Nov	Database Fundamentals	CRUD	
		5-Nov	14-Nov	SQL/MySQL/SQLite3		
		3-Dec	28-Nov	Full Stack Programming		Final Projects
Times	10:00 AM to 5 PM	5:00 PM to 7:30 PM				
	30 Hours (5*6Hours)	30 Hours (12*2.5Hours)				