

Lesson number	Class 1	Class 2	Unit	Lesson name
1	Fri 20 Aug	Thu 19 Aug	Databases	Review databases. Query by example. Python program. Use.
2	Tue 24 Aug	Mon 23 Aug	Databases	Query by example. Complete past scenarios using Python program.
3	Wed 25 Aug	Thu 26 Aug	Databases	Query by example. Complete past scenarios without Python program.
4	Fri 27 Aug	Mon 30 Aug	Databases	Query by example - Collect 2 as assessment in lieu of test
5	Tue 31 Aug	Tue 31 Aug	Tasker	Finish Tasker project
6	Fri 03 Sep	Thu 02 Sep	Tasker	Finish Tasker project
7	Tue 07 Sep	Mon 06 Sep	Security	1. Intro, firewalls, proxy servers. Create a simple proxy server.
8	Wed 08 Sep	Thu 09 Sep	Security	2. Encryption and hashing. Salts. Hashing exercise.
9	Fri 10 Sep	Mon 13 Sep	Security	3. Threats.
10	Tue 14 Sep	Tue 14 Sep	Security	4. Hashcat exercise.
11	Fri 17 Sep	Thu 16 Sep	Security	5. Threat mitigation. Secure programming.
12	Tue 21 Sep	Mon 20 Sep	Security	6. Responsible programming. Moral machine.
13	Fri 24 Sep	Thu 23 Sep	Security	7. Software licenses. Past questions
14	Tue 28 Sep	Mon 27 Sep	Security	8. Past paper questions / homework
15	Tue 05 Oct	Tue 28 Sep	Test	networks & security test
16	Wed 06 Oct	Thu 30 Sep	AI programming	Google teachable machine project
17	Fri 08 Oct	Mon 04 Oct	AI programming	Google teachable machine project
18	Tue 19 Oct	Thu 07 Oct	AI programming	Google teachable machine project
19	Fri 22 Oct	Mon 18 Oct	AI programming	Google teachable machine project
20	Tue 26 Oct	Tue 19 Oct	AI programming	Google teachable machine project
21	Wed 27 Oct	Thu 21 Oct	Pre-release practice	Good programming practices reviewed Discuss scenario presented
22	Fri 29 Oct	Mon 25 Oct	Pre-release practice	Pseudo code for tasks 1, 2, 3
23	Tue 02 Nov	Thu 28 Oct	Pre-release practice	Pseudo code for tasks 1, 2, 3
24	Fri 05 Nov	Mon 01 Nov	Pre-release practice	Task 1
25	Tue 09 Nov	Tue 02 Nov	Pre-release practice	Task 2
26	Wed 10 Nov	Thu 04 Nov	Pre-release practice	Task 3
27	Fri 12 Nov	Mon 08 Nov	Pre-release practice	Review & submit
28	Tue 23 Nov	Thu 11 Nov	TBA	
29	Fri 26 Nov	Mon 22 Nov	TBA	
30	Tue 30 Nov	Tue 23 Nov	TBA	
31	Wed 01 Dec	Thu 25 Nov	TBA	
32	Fri 03 Dec	Mon 29 Nov	TBA	
33	Tue 07 Dec	Thu 02 Dec	Drone programming	Drone programming project
34	Fri 10 Dec	Mon 06 Dec	Drone programming	Drone programming project
35	Tue 14 Dec	Tue 07 Dec	Drone programming	Drone programming project
36	Wed 15 Dec	Thu 09 Dec	Drone programming	Drone programming project
37	Fri 17 Dec	Mon 13 Dec	Drone programming	Drone programming project
38	Tue 11 Jan	Thu 16 Dec	(exams)	
39	Fri 14 Jan	Mon 10 Jan	(exams)	
40	Tue 18 Jan	Tue 11 Jan	(exams)	
41	Wed 19 Jan	Thu 13 Jan	(exams)	

42	Fri 21 Jan	Mon 17 Jan	(exams)	
43	Tue 25 Jan	Thu 20 Jan	(exams)	
44	Fri 28 Jan	Mon 24 Jan	(exams)	
45	Tue 08 Feb	Tue 25 Jan	Pre-release	Introduce & class discuss. Design individual solution
46	Wed 09 Feb	Thu 27 Jan	Pre-release	Program first attempt
47	Fri 11 Feb	Mon 07 Feb	Pre-release	Program first attempt
48	Tue 15 Feb	Thu 10 Feb	Pre-release	Program first attempt
49	Fri 18 Feb	Mon 14 Feb	Pre-release	Share and discuss different strategies
50	Tue 22 Feb	Tue 15 Feb	Pre-release	Program second attempt
51	Wed 23 Feb	Thu 17 Feb	Pre-release	Program second attempt
52	Fri 25 Feb	Mon 21 Feb	Pre-release	Program second attempt
53	Tue 01 Mar	Thu 24 Feb	Pre-release	Class brainstorm of questions and answers
54	Fri 04 Mar	Mon 28 Feb	Pre-release	Class brainstorm of questions and answers
55	Tue 08 Mar	Tue 01 Mar	Pre-release	Class brainstorm of questions and answers
56	Wed 09 Mar	Thu 03 Mar	Review	Past paper exams
57	Fri 11 Mar	Mon 07 Mar	Review	Past paper exams
58	Tue 15 Mar	Thu 10 Mar	Review	Past paper exams
59	Fri 18 Mar	Mon 14 Mar	Review	Past paper exams
60	Tue 22 Mar	Tue 15 Mar	Review	Past paper exams
61	Wed 23 Mar	Thu 17 Mar		
62	Fri 25 Mar	Mon 21 Mar		
63	Tue 29 Mar	Thu 24 Mar		
64		Mon 28 Mar		
65		Tue 29 Mar		