My Server (/user/oali418)

Info   Video Links   Video Downloads   Grades

Schedule

Lectures will be distributed every week as a set of 4 hour long videos. The links will be posted here as they are uploaded.

Video links below

Date	Event	Youtube Link
Monday 6-Jul-2020 9:00 am	WQU DS Module Introductory Video	https://youtu.be/QUQSY7pmuSQ (https://youtu.be/QUQSY7pmuSQ)
Monday 6-Jul-2020 9:00 am	1.1.1 Basic Programming & Variables	https://youtu.be/3phV29yvWO8 (https://youtu.be/3phV29yvWO8)
Monday 6-Jul-2020 9:00 am	1.1.2 Functions	https://youtu.be/SytwpgZ5k6U (https://youtu.be/SytwpgZ5k6U)
Monday 6-Jul-2020 9:00 am	1.1.3 Logic & Conditional Expressions	https://youtu.be/CyjsNEFjLVk (https://youtu.be/CyjsNEFjLVk)
Monday 6-Jul-2020 9:00 am	1.1.4 Iteration	https://youtu.be/MIjqvWgfdq8 (https://youtu.be/MIjqvWgfdq8)
Monday 6-Jul-2020 9:00 am	1.2.1 Data Structures (list)	https://youtu.be/GGhWL_r_CSE (https://youtu.be/GGhWL_r_CSE)
Monday 6-Jul-2020 9:00 am	1.2.2 Data Structures (tuple)	https://youtu.be/jDuGDuzGkyE (https://youtu.be/jDuGDuzGkyE)

Date	Event	Youtube Link
Monday 6-Jul-2020 9:00 am	1.2.3 Data Structures (set)	https://youtu.be/b4odPCnUcwA (https://youtu.be/b4odPCnUcwA)
Monday 6-Jul-2020 9:00 am	1.2.4 Data Structures (dict)	https://youtu.be/Acv69ca9Bu8 (https://youtu.be/Acv69ca9Bu8)
Monday 6-Jul-2020 9:00 am	1.2.5 Data Structures (collections module)	https://youtu.be/cS2xi4Ut0lY (https://youtu.be/cS2xi4Ut0lY)
Monday 13-Jul-2020 9:00 am	2.1.1 Algorithms and Complexity Analysis	https://youtu.be/PL15zDN5cCA (https://youtu.be/PL15zDN5cCA)
Monday 13-Jul-2020 9:00 am	2.1.2 Computational/Time Complexity	https://youtu.be/X9O5vGqMl1s (https://youtu.be/X9O5vGqMl1s)
Monday 13-Jul-2020 9:00 am	2.1.3 Recursion & Memoization	https://youtu.be/8yaoYqokmPk (https://youtu.be/8yaoYqokmPk)
Monday 13-Jul-2020 9:00 am	2.1.4 Memory Complexity & Data Structures	https://youtu.be/RuPUm5nbNQY (https://youtu.be/RuPUm5nbNQY)
Monday 13-Jul-2020 9:00 am	2.2.1 What is an Object?	https://youtu.be/21Ia8yZtQqU (https://youtu.be/21Ia8yZtQqU)
Monday 13-Jul-2020 9:00 am	2.2.2 Introduction to Classes	https://youtu.be/wxNT_vPQihE (https://youtu.be/wxNT_vPQihE)
Monday 13-Jul-2020 9:00 am	2.2.3 Defining Useful Classes	https://youtu.be/Zi4DqsSXHUE (https://youtu.be/Zi4DqsSXHUE)

Date	Event	Youtube Link
Monday 13-Jul-2020 9:00 am	2.2.4 Object-Oriented Programming & Inheritance	https://youtu.be/UxR8ZPTMkuc (https://youtu.be/UxR8ZPTMkuc)
Monday 13-Jul-2020 9:00 am	2.3.1 VC Miniproject Intro & Hackerrank Coding Challenges	https://youtu.be/k80mHM-VqBQ (https://youtu.be/k80mHM-VqBQ)
Monday 20-Jul-2020 9:00 am	3.1.1 Pythonic Programming	https://youtu.be/20WhvoAQVIc (https://youtu.be/20WhvoAQVIc)
Monday 20-Jul-2020 9:00 am	3.1.2 Python Modules & Imports	https://youtu.be/9xdmBjurb7c (https://youtu.be/9xdmBjurb7c)
Monday 20-Jul-2020 9:00 am	3.1.3 Exceptions & Debugging	https://youtu.be/dvU2UY6QM5I (https://youtu.be/dvU2UY6QM5I)
Monday 20-Jul-2020 9:00 am	3.2.1 Basic Python IO	https://youtu.be/TCJktfMOaPw (https://youtu.be/TCJktfMOaPw)
Monday 20-Jul-2020 9:00 am	3.2.2 File System Operations in Python	https://youtu.be/_9BHLex7FC8 (https://youtu.be/_9BHLex7FC8)
Monday 20-Jul-2020 9:00 am	3.2.3 CSV Files	https://youtu.be/kZiE5nZPH5E (https://youtu.be/kZiE5nZPH5E)
Monday 20-Jul-2020 9:00 am	3.2.4 JSON Files	https://youtu.be/fI0nOob4fuA (https://youtu.be/fI0nOob4fuA)
Monday 20-Jul-2020 9:00 am	3.2.5 Compression & GZip Files	https://youtu.be/Z3MQ8_zpczI (https://youtu.be/Z3MQ8_zpczI)

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Monday 20-Jul-2020 9:00 am	3.2.6 Serialization & Pickle Files	https://youtu.be/uPwk_TbHGdY (https://youtu.be/uPwk_TbHGdY)
Monday 20-Jul-2020 9:00 am	3.3.1 PW Miniproject Intro	https://youtu.be/sCB8g4D-0DA (https://youtu.be/sCB8g4D-0DA)
Monday 27-Jul-2020 9:00 am	4.1.1 Intro to NumPy	https://youtu.be/eI-7PDaWfPk (https://youtu.be/eI-7PDaWfPk)
Monday 27-Jul-2020 9:00 am	4.1.2 Creating NumPy Arrays	https://youtu.be/3gXD67pTVP4 (https://youtu.be/3gXD67pTVP4)
Monday 27-Jul-2020 9:00 am	4.1.3 Advantages of NumPy	https://youtu.be/NOzCJa16gHw (https://youtu.be/NOzCJa16gHw)
Monday 27-Jul-2020 9:00 am	4.1.4 Computation with NumPy	https://youtu.be/QF9TQ9Yj6tc (https://youtu.be/QF9TQ9Yj6tc)
Monday 27-Jul-2020 9:00 am	4.1.5 Mutating NumPy Arrays	https://youtu.be/UPd2zcr5Tbc (https://youtu.be/UPd2zcr5Tbc)
Monday 27-Jul-2020 9:00 am	4.1.6 Plotting with Matplotlib	https://youtu.be/mRxAAcGRR2U (https://youtu.be/mRxAAcGRR2U)
Monday 27-Jul-2020 9:00 am	4.1.7 Intro to Pandas	https://youtu.be/zu4uCw79iRU (https://youtu.be/zu4uCw79iRU)
Monday 3-Aug-2020 9:00 am	5.1.1 Pandas Overview	https://youtu.be/LLltyyJH9kk (https://youtu.be/LLltyyJH9kk)

Date	Event	Youtube Link
Monday 3-Aug-2020 9:00 am	5.1.2 Pandas IO	https://youtu.be/KmmwUVrYMOQ (https://youtu.be/KmmwUVrYMOQ)
Monday 3-Aug-2020 9:00 am	5.1.3 Filtering DataFrames	https://youtu.be/EkCWEMe6cSg (https://youtu.be/EkCWEMe6cSg)
Monday 3-Aug-2020 9:00 am	5.1.4 Data Transformations	https://youtu.be/3HdYzqh8Bag (https://youtu.be/3HdYzqh8Bag)
Monday 3-Aug-2020 9:00 am	5.1.5 Data Aggregation	https://youtu.be/_93sDSezpD8 (https://youtu.be/_93sDSezpD8)
Monday 3-Aug-2020 9:00 am	5.1.6 Joins & Multiple DataFrames	https://youtu.be/0QEgP-m8MFE (https://youtu.be/0QEgP-m8MFE)
Monday 3-Aug-2020 9:00 am	5.1.7 Time Series Data	https://youtu.be/WzIHzSet8WY (https://youtu.be/WzIHzSet8WY)
Monday 3-Aug-2020 9:00 am	5.2.1 Intro to Statistics	https://youtu.be/y54T0l8LilY (https://youtu.be/y54T0l8LilY)
Monday 3-Aug-2020 9:00 am	5.2.2 Estimating Means	https://youtu.be/qsDQHeqJuhw (https://youtu.be/qsDQHeqJuhw)
Monday 3-Aug-2020 9:00 am	5.2.3 Standard Error of the Mean	https://youtu.be/T_EC239eoM4 (https://youtu.be/T_EC239eoM4)
Monday 3-Aug-2020 9:00 am	5.2.4 Hypothesis Testing & Z-Scores	https://youtu.be/FDOZK1DYh2w (https://youtu.be/FDOZK1DYh2w)

Date	Event	Youtube Link
Monday 3-Aug-2020 9:00 am	5.2.5 Parameter Estimation & Confidence Intervals	https://youtu.be/W6fFG3x5-zE (https://youtu.be/W6fFG3x5-zE)
Monday 3-Aug-2020 9:00 am	5.3.1 DW Miniproject Intro	https://youtu.be/xgna885PXg0 (https://youtu.be/xgna885PXg0)
Monday 3-Aug-2020 9:00 am	Extra Statistics Videos	https://www.youtube.com/playlist?list=PLVNgHN883b8FuKC-Fpnh72thE4m7J1nNO (https://www.youtube.com/playlist?list=PLVNgHN883b8FuKC-Fpnh72thE4m7J1nNO)
Monday 10-Aug-2020 9:00 am	6.1.1 Data Munging & Web Scraping	https://youtu.be/wV4BU2caSOs (https://youtu.be/wV4BU2caSOs)
Monday 10-Aug-2020 9:00 am	6.1.2 Cleaning & Structing Data	https://youtu.be/dtAEkwMUWZk (https://youtu.be/dtAEkwMUWZk)
Monday 10-Aug-2020 9:00 am	6.1.3 Dealing with Multiple Data Sources	https://youtu.be/ci9AvvnON4g (https://youtu.be/ci9AvvnON4g)
Monday 10-Aug-2020 9:00 am	6.1.4 Data Munging in Pandas	https://youtu.be/1Y8e8UhsvME (https://youtu.be/1Y8e8UhsvME)
Monday 17-Aug-2020 9:00 am	7.1.1 SQL & Relational Databases	https://youtu.be/1VkpuNpEqKA (https://youtu.be/1VkpuNpEqKA)
Monday 17-Aug-2020 9:00 am	7.1.2 Basic SQL Syntax	https://youtu.be/5i9OvFAPbAs (https://youtu.be/5i9OvFAPbAs)
Monday 17-Aug-2020 9:00 am	7.1.3 Filtering & Sorting Data in SQL	https://youtu.be/LEmp_AaIxGM (https://youtu.be/LEmp_AaIxGM)

Date	Event	Youtube Link
Monday 17-Aug-2020 9:00 am	7.1.4 Joins & Aggregations in SQL	https://youtu.be/HLTotdjNvl4 (https://youtu.be/HLTotdjNvl4)
Monday 17-Aug-2020 9:00 am	7.1.5 Comparison of SQL Flavors	https://youtu.be/PeGsrKiJRY8 (https://youtu.be/PeGsrKiJRY8)
Monday 24-Aug-2020 9:00 am	8.1.1 Introduction to Object Relation Mapping	https://youtu.be/ZkOCn4FWd0Q (https://youtu.be/ZkOCn4FWd0Q)
Monday 24-Aug-2020 9:00 am	8.1.2 Using Classes for Applications	https://youtu.be/unLMZzFsx1Q (https://youtu.be/unLMZzFsx1Q)
Monday 24-Aug-2020 9:00 am	8.1.3 Translating Classes into SQL with ORM	https://youtu.be/ZT0gt0F88Ks (https://youtu.be/ZT0gt0F88Ks)
Monday 24-Aug-2020 9:00 am	8.1.4 Pushing Objects to SQL & Making Queries	https://youtu.be/88UKnoER9lw (https://youtu.be/88UKnoER9lw)
Monday 24-Aug-2020 9:00 am	8.2.1 Course Conclusion	https://youtu.be/pAT_9CkcsU4 (https://youtu.be/pAT_9CkcsU4)
Tuesday 25-Aug-2020 1:30 am	Office Hour 29	https://www.youtube.com/channel/UCW5qH1I2RMA0CnJ0uo7OTvQ/live (https://www.youtube.com/channel/UCW5qH1I2RMA0CnJ0uo7OTvQ/live)
Tuesday 25-Aug-2020 9:00 pm	Office Hour 30	https://www.youtube.com/channel/UCW5qH1I2RMA0CnJ0uo7OTvQ/live (https://www.youtube.com/channel/UCW5qH1I2RMA0CnJ0uo7OTvQ/live)
Thursday 27-Aug-2020 1:30 am	Office Hour 31	https://www.youtube.com/channel/UCW5qH1I2RMA0CnJ0uo7OTvQ/live (https://www.youtube.com/channel/UCW5qH1I2RMA0CnJ0uo7OTvQ/live)

Date	Event	Youtube Link
Thursday 27-Aug-2020 9:00 pm	Office Hour 32	https://www.youtube.com/channel/UCW5qH1I2RMA0CnJ0uo7OTvQ/live (https://www.youtube.com/channel/UCW5qH1I2RMA0CnJ0uo7OTvQ/live)
Friday 28-Aug-2020 9:30 am	OFFICE HOURS PLAYLIST	https://www.youtube.com/playlist?list=PLeDYvCW3J3jn3aw1cVre-m4LmNHfOawLu (https://www.youtube.com/playlist?list=PLeDYvCW3J3jn3aw1cVre-m4LmNHfOawLu)
Friday 28-Aug-2020 9:00 pm	Makeup Office Hour	https://www.youtube.com/channel/UCW5qH1I2RMA0CnJ0uo7OTvQ/live (https://www.youtube.com/channel/UCW5qH1I2RMA0CnJ0uo7OTvQ/live)