**COURSE CALENDAR (Summer 2020 CS7646)**

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| --- | --- | --- | --- | --- | --- |
| **Week#** | **Week Of** | **Lessons** | **Readings/Videos** | **Assignment** | **Assignment Due Date** |
| 1 | 05/11/2020 | 01-01 01-02 01-03 01-04 | Python for Finance Ch. 4\* Python for Finance Ch. 6\* | Start-of-Course Survey | 05/17/2020 |
| 2 | 05/18/2020 | 01-05 01-06 01-07 01-08 | Python for Finance Ch. 5\* | [Project 1](http://lucylabs.gatech.edu/ml4t/project-1/) | 05/24/2020 |
| 3 | 05/25/2020 | 01-09 03-01 03-02 03-03 03-04 | Python for Finance Ch. 11\* Machine Learning Ch. 1\* Machine Learning Ch. 8\* | [Project 2](http://lucylabs.gatech.edu/ml4t/project-2/) | 05/31/2020 |
| 4 | 06/01/2020 | 02-01 02-02 02-03 | [Suntrust Visit](https://www.youtube.com/watch?v=w3C-gly8bLE)\* [Decision Trees 1](https://www.youtube.com/watch?v=OBWL4oLT7Uc) [Decision Trees 2](https://www.youtube.com/watch?v=WVc3cjvDHhw) Machine Learning Ch. 3\* | [Project 3](http://lucylabs.gatech.edu/ml4t/project-3/) | 06/07/2020 |
| 5 | 06/08/2020 | 02-04 02-05 02-06 | [Is the stock market rigged?](https://www.youtube.com/watch?v=ibQmtYrTEDQ) What Hedge Funds Really Do Ch. 2, 4, 5, & 7 | [Project 4](http://lucylabs.gatech.edu/ml4t/project-4/) Quarter-Course Survey | 06/14/2020 |
| 6 | 06/15/2020 | 02-07 02-08 | [Market Simulator](https://www.youtube.com/watch?v=1ysZptg2Ypk) What Hedge Funds Really Do Ch. 8 & 12 | Exam 1 | 06/21/2020 |
| 7 | 06/22/2020 | 02-09 02-10 | [The Big Short](https://www.youtube.com/watch?v=j13KSg4l9gM) [Time Series Data (First 30 Minutes)](https://www.youtube.com/watch?v=2e2Yr-Bpo-w) [Technical Trading](http://lucylabs.gatech.edu/ml4t/wp-content/uploads/2020/05/CDB_vectorize_me.pptx.zip) | [Project 5](http://lucylabs.gatech.edu/ml4t/project-5/) | 06/28/2020 |
| 8 | 06/29/2020 | 03-05 03-06 | [Decision Tree-Based Trading](https://www.youtube.com/watch?v=dbSbYHECGoA) What Hedge Funds Really Do Ch. 9 | [Project 6](http://lucylabs.gatech.edu/ml4t/project-6/) | 07/05/2020 |
| 9 | 07/06/2020 | 03-07 | [Navigation Project](https://www.youtube.com/watch?v=X9UhB953TDA) Machine Learning Ch. 13\* | [Project 7](http://lucylabs.gatech.edu/ml4t/project-7/) Mid-Course Survey [Extra Credit](http://lucylabs.gatech.edu/ml4t/holy-hand-grenade-of-antioch) | 07/12/2020 |
| 10 | 07/13/2020 |  | [Strategies for Q-Learner Trader](https://www.youtube.com/watch?v=K8xRATOpsqw) [Options Trading](https://www.youtube.com/watch?v=5ompRHd0P68&feature=youtu.be) | [Project 8](http://lucylabs.gatech.edu/ml4t/project-8/) | 07/19/2020 |
| 11 | 07/20/2020 |  |  | Exam 2 | 07/26/2020 |
| 12 | 07/27/2020 |  |  | End-of-Course Survey | 08/02/2020 |