

ENG EK 341 Advanced MATLAB Programming Spring 2021

SYLLABUS

Date	Topics
Week # 1	
1/27	Class 1: Advanced data structures: Sorting, Indexing (Sec. 8.4-8.5)
Week # 2	
2/3	Class 2: Advanced functions: anonymous functions, function handles, nested functions, recursive functions (Sec. 10.2-10.5); HW 1 Due
2/5	<i>Last day to add a course</i>
Week # 3	
2/10	Class 3: Intro to OOP: Graphics Objects (11A: Sec. 11.1-11.2); HW 2 Due
Week # 4	
2/15	<i>Holiday; No Classes</i>
2/17	Class 4: User-Defined Classes and Objects (11B: Sec. 11.3); HW 3 Due
Week # 5	
2/24	Class 5: Advanced Plotting (Chapter 12); HW 4 Due
Week # 6	
3/1	<i>Last day to drop a course (without a "W")</i>
3/3	Class 6: Graphical User Interfaces (13B: Section 13.2); HW 5 Due
Week # 7	
3/10	Class 7: App Designer (13C: Sec. 13.3); HW 6 Due
Week # 8	
3/17	Class 8: Sound and Image Processing (13A, 13D: Sections 13.1, 13.4); HW 7 Due
Week # 9	
3/24	Class 9: Statistics, Set operations, Curve Fitting, Matrix Properties (Sections 14.1-14.3, 14.5.1); HW 8 Due

Week # 10

3/31 *BU Wellness Day; No classes*

4/2 *Last day to drop a course (with a "W")*

Week # 11

4/7 Class 10: Data Science, Scrubbing Data (New Chapter 14, see online notes); HW 9 Due

Week # 12

4/14 Class 11: Machine Learning (online notes); HW 10 Due

Week # 13

4/19 *Holiday; No classes*

4/21 *Monday Schedule at BU*

Week # 14

4/28 Class 12: Final Project Due

4/29 *Last Day of Classes*