

Course Schedule



Spring 2022 Course Schedule

EE 5003: Computational Tools for Engineers

Course Schedule

Assignment	Due	Points
Module 1: Navigate the MATLAB® Computational Environment (January 10 - 16)		
M1 Exercise	Sun. 01/16 @ 11:59 p.m. P.T.	20
M1 Discussion	Initial Post by Wed. 01/12 @ 11:59 p.m. P.T. Responses by Fri. 01/14 @ 11:59 p.m. P.T.	5
Module 2: The MATLAB® Fundamentals (January 17 - 23)		
M2 Exercise	Sun. 01/23 @ 11:59 pm. P.T.	20
M2 Discussion	Initial Post by Wed. 01/19 @ 11:59 p.m. P.T. Responses by Fri. 01/21 @ 11:59 p.m. P.T.	5
Module 3: Program Design, Common Functions and Data Import-Export Utilities (January 24 - 30)		
M3 Exercise	Sun. 01/30 @ 11:59 p.m. P.T.	20
M3 Discussion	Initial Post by Wed. 01/26 @ 11:59 p.m. P.T. Responses by Fri. 01/28 @ 11:59 p.m. P.T.	5
Module 4: Matrices, Arrays and Logical Vectors (January 31 - February 6)		
M4 Exercise	Sun. 02/06 @ 11:59 p.m. P.T.	20
M4 Discussion	Initial Post by Wed. 02/02 @ 11:59 p.m. P.T. Responses by Fri. 02/04 @ 11:59 p.m. P.T.	5
Module 5: Linear Equations and Function M-Files (February 7 - 13)		
M5 Exercise	Sun. 02/13 @ 11:59 p.m. P.T.	20
M5 Discussion	Initial Post by Wed. 02/9 @ 11:59 p.m. P.T. Responses by Fri. 02/11 @ 11:59 p.m. P.T.	5
M5 Interactive Quiz	Sat. 06/12 @ 11:59 p.m. P.T.	10
Module 6: Loops and More on Function M-Files (February 14 - 20)		
M6 Exercise	Sun. 02/20 @ 11:59 p.m. P.T.	20
M6 Discussion	Initial Post by Wed. 02/16 @ 11:59 p.m. P.T. Responses by Fri. 02/18 @ 11:59 p.m. P.T.	5
Module 7: MATLAB® Graphics: Part 1 (February 21 - 27)		

M7 Exercise	Sun. 02/27 @ 11:59 p.m. P.T.	20
No Discussion Board Assignment	NA	NA
Midterm	Available Mon. 02/21 @ 6:00 a.m. P.T. - Sun. 02/27 @ 11:59 p.m. P.T.	30
Module 8: MATLAB® Graphics: Part 2 (February 28 - March 6)		
M8 Exercise	Sun. 03/06 @ 11:59 p.m. P.T.	20
M8 Discussion	Initial Post by Wed. 03/02 @ 11:59 p.m. P.T. Responses by Fri. 03/04 @ 11:59 p.m. P.T.	5
Module 9: Data Structures; MATLAB® Errors and Pitfalls (March 14 - 20)		
M9 Exercise	Sun. 03/20 @ 11:59 p.m. P.T.	20
M9 Discussion	Initial Post by Wed. 03/16 @ 11:59 p.m. P.T. Responses by Fri. 03/18 @ 11:59 p.m. P.T.	5
Module 10: Introduction to Numerical Methods (March 21 - 27)		
M10 Exercise	Sun. 03/27 @ 11:59 p.m. P.T.	20
M10 Discussion	Initial Post by Wed. 03/23 @ 11:59 p.m. P.T. Responses by Fri. 03/25 @ 11:59 p.m. P.T.	5
Module 11: The Promises and Pitfalls of the FFT (March 28 - April 3)		
M11 Exercise	Sun. 04/03 @ 11:59 p.m. P.T.	20
M11 Discussion	Initial Post by Wed. 03/30 @ 11:59 p.m. P.T. Responses by Fri. 04/01 @ 11:59 p.m. P.T.	5
Module 12: Probability and Statistics in MATLAB (April 4 - 10)		
M12 Exercise	Sun. 04/10 @ 11:59 p.m. P.T.	20
M12 Discussion	Initial Post by Wed. 04/06 @ 11:59 p.m. P.T. Responses by Fri. 04/08 @ 11:59 p.m. P.T.	5
Module 13: Coordinate Frames (April 11 - 17)		
M13 Exercise	Sun. 04/17 @ 11:59 p.m. P.T.	20
M13 Discussion	Initial Post by Wed. 04/13 @ 11:59 p.m. P.T. Responses by Fri. 04/15 @ 11:59 p.m. P.T.	5
M13 Interactive Quiz	Sat. 04/16 @ 11:59 p.m. P.T.	10
Module 14: Vector and Vector Operations (April 18 - 24)		
M14 Exercise	Sat 04/23 @ 11:59 p.m. P.T.	20
M14 Discussion	Initial Post by Wed. 04/20 @ 11:59 p.m. P.T. Responses by Fri. 04/22 @ 11:59 p.m. P.T.	5
Final	Available Mon. 04/25 @ 6:00 a.m. P.T. – Sat. 04/30 @ 11:59 p.m. P.T.	30