

**DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING
UNIVERSITY OF MASSACHUSETTS LOWELL
SIGNALS & SYSTEMS I : EECE 3620 Section 202**

Instructors: Prof. Kavitha Chandra & Prof. Charles Thompson
Electrical & Computer Engineering

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Text: Signals & Systems (Using MATLAB), Luis F. Chaparro, Elsevier, Second Edition

Course Website: <http://morse.uml.edu/Activities.d/signals/3620>

Grading Policy:

HW Quizzes: 25%; Computing: 15%; Two Exam Average: 30%; Final Exam: 30%

Course Syllabus

DATE (week of)	MATERIAL	HW	Quiz/Computing/Exams
01/16/17	Chapters 0 & 1 Background Review & Continuous-Time Signals and Systems	HW 1	MATLAB 1: Signal Representation
01/23/17	Chapter 1: Signal Classification: Step, Impulse, etc.	HW 2	HW Quiz 1: Chap. 1
01/30/17	Chapter 2: System Classification; Convolution	HW 3	MATLAB 2; HW Quiz 2
02/06/17	Chapter 3: Laplace Transforms	HW 3.1	HW Quiz 3
02/13/17	Chapter 3: Laplace Transform: Properties and application to system analysis		MATLAB 3: Differential Equations
02/20/17	Inverse Laplace Transforms	HW 4	HW Quiz 4
02/27/17	Chapter 4: Periodic Signals & Fourier Series	HW 5	EXAM 1 (Ch: 1, 2,3)
03/06/17	Chapter 5: Frequency Analysis: Fourier Transforms	HW 6	HW Quiz 5
03/20/17	Chapter 6: Applications to Communications Systems	HW 7	MATLAB 4; Modulation; HW Quiz 6
03/27/17	Chapter 7 & 8: Sampling; Discrete Time Signals & Systems	HW 8	HW Quiz 7 EXAM 2 (Chs. 4,5,6)
04/03/17	Chapter 9: Z Transforms & Inverse Z-Transforms	HW 9	MATLAB 5: Sampling
04/10/17	Inverse Z-Transforms	HW 10	HW Quiz 7
04/17/17	Chapter 10: Discrete-Time-Fourier Transform		MATLAB 6: FFT
04/24/17	Course Review		

Note: Missed quizzes and/or exams can be taken on alternate days at the discretion of the instructor. The decision will be based on student giving sufficient notice and valid reasons for missing the class.