EC520 Course Schedule (Spring 2024)

Lecture Number	Date	Topic	Suggested material in addition to lectures: YU:1 = Yagle-Ulaby, Chapter 1 J:1 = Jain, Chapter 1 W:1 = Woods, Chapter 1	Homework due at midnight	Project milestones
1	1/22 (Mon)	Introduction & Motivation			
2	1/24 (Wed)	Prelims & CS M-D signals/systems	YU:1, J:1		
3	1/29 (Mon)	CS M-D signals/systems	YU:2,3.1-3.4,8, any signals/probability book		
4	1/31 (Wed)	DS M-D signals/systems	Dubois paper, W:1-3, YU:3.5-3.9	#1	
5	2/5 (Mon)	DS M-D signals/systems	Dubois paper, W:1-3, YU:3.5-3.9		
6	2/7 (Wed)	DS M-D signals/systems	Dubois paper, W:1-3, YU:3.5-3.9	#2	
7	2/12 (Mon)	Quantization	W:9.3, J:3.6,4.6		**Introduction, topics**
8	2/14 (Wed)	Perception	W:6, J:3.1-3.6,3.12	#3	
	2/19 (Mon)	NO CLASS - President's Day			
9	2/21 (Wed)	Color	W:6, J:3.8-3.11	#4	**Team/topic assignment**
10	2/26 (Mon)	Color	W:6, J:3.8-3.11		
11	2/28 (Wed)	Image models	W:7.1-7.2, J:6.1,6.2,6.6	#5	
12	3/4 (Mon)	Image models (MRFs)			
13	3/6 (Wed)	Image transforms	W:4, J:5	#6	
14	3/18 (Mon)	Image transforms	W:4, J:5		**Initial summary due**
15	3/20 (Wed)	Image transforms	W:4, J:5	#7	
16	3/25 (Mon)	Image enhancement	J:7.1-7.5		
	3/27 (Wed)	**MIDTERM EXAM**			
17	4/1 (Mon)	Image restoration	W:7, J:8.3-8.5		
18	4/3 (Wed)	Image restoration	W:7, J:8.3-8.5	#8	
19	4/8 (Mon)	Image compression	J:10		**Intermediate report due**
20	4/10 (Wed)	Image compression	J:10		
	4/15 (Mon)	NO CLASS - Patriots' Day			
21	4/17 (Wed)	Image compression	J:10	#9	
22	4/22 (Mon)	Image analysis			
23	4/24 (Wed)	Image analysis		#10	
24	4/29 (Mon)	**Project presentations**			**Presentations**
25	5/1 (Mon)	**Project presentations**			**Presentations**
		Final Exam			