Lecture	Textbook	Topics
May 19 (R)	2.1-2.4 in [1]	Introduction to Probability. Sample space, events, probability axioms
	1.1-1.4 in [2]	and properties
May 23 (M)	2.5 in [1]	Counting principles, combinatorial methods,
	2.1,2.2 in [2]	
May 24 (T)	? in [1]	Permutations, combinations.
	2.3, 2.4 in [2]	
May 25 (W)	2.6-2.8 in [1]	Conditional probability, Bayes theorem, Independence
	3.1-3.5 in [2]	
May 26 (R)		Commencement day. No classes.
May 30 (M)		Memorial day Holiday. No classes
May 31 (T)	3.1, 3.2 in [1]	Discrete random variables, Distribution functions. Expectation and
	4.1-4.6 in [2]	variance of discrete variables. Standardization.
Jun 1 (W)	3.3+ch5 in [1]	Special cases of discrete random variables: Bernoulli, Binomial,
	5.1-5.3 in	Geometric, Negative Binomial. The Poisson distribution.
	[2]+Ch 4 in [1]	
Jun 2 (R)		TEST 1
Jun 6 (M)	3.3+ch7 in [1]	Continuous random variables, PDF, CDF. Functions of random variables.
	6.1-6.3 in [2]	Expectation and variance.
Jun 7 (T)		(cont)
Jun 8 (W)	Ch 6 in [1]	Special cases of continuous random variables: Uniform distribution,
	7.1-7.5 in [2]	normal, exponential. (Gamma and Beta - time permitting)
Jun 9 (R)		
Jun 13 (M)	5.6 in	Special Lecture: The Poisson process.
	[1]+handout	
Jun 14 (T)	3.4 in [1]	Distribution of two random variables. Joint and conditional
	8.1-8.3 in [2]	distributions.
Jun 15 (W)		Review
Jun 16 (R)		TEST 2 (comprehensive)
Jun 20 (M)	11.1, 11.4,	Moment Generating Functions. Characteristic Functions. Limit
1	11.5 in [2]	Theorems. Central Limit Theorem.
Jun 21 (T)		(cont)
Jun 22 (W)	1 1 1 1 :- [1] .	Special Lecture: Review of probability
Jun 23 (R)	1.1-1.4 in [1] +	STATISTICS: Describing distributions using graphs. Sample. Mean,
lup 27 (84)	lecture notes	Variance, Quantiles.
Jun 27 (M)	Ch 8 in [1]	Point Estimation. Methods of point estimation.
Jun 28 (T) Jun 29 (W)	Ch 9 in [1]	Confidence Intervals and testing based on a single population sample. (cont)
		Review
Jun 30 (R)		Independence Day – No classes
Jul 4 (M) Jul 5 –Jul 8		
8 INT - 5 INT		Review and Final Exam period for the summer semester
		FINAL EXAM on (?) to cover material from the entire course

MA222. Detailed schedule for the summer of 2011.

References:

[1] Walpole R., R. Myers, S. Myers, and K. Ye "*Probability and Statistics for Engineers and Scientists*", seventh edition, Prentice Hall, 2002.

[2] Saeed Ghahramani *"Fundamentals of Probability with Stochastic Processes",* third edition, Prentice Hall, 2004