Reading Schedule For MATH 4753

WEEK	CHAPTER	NOTES
1	1	This is very simple and can be skim read
2	2	This is about Descriptive statistics – make sure you can recognize the two different types of variable and make appropriate plots and interpret the output. R skills will be important. Outliers, Z values, Empirical and Chebyshev
3	3	Probability – learn definitions. Go through all examples and then work backwards to the book when you don't understand something. Bayes' rule is in the course
4	4	Discrete random variables – Expected value- 7 distributions – you need to know HOW to determine the distribution from a problems description. Go through worked examples.
5	5	Continuous random variables. Expected value – Know how to find the mean and variance for a uniform distribution using first principles. Go over all worked examples. Moment generating functions are a part of the course.
6-9	6	Bivariate – Go over all worked examples.
9-11	7	Learn the classical methods of point estimation – go over worked examples
12-13	8	Hypothesis testing – go over worked examples.
14-15	10	SLR – see worked examples. The labs will be very helpful.