Possible topics to be covered in the STAT 3743 Final Exam
(The following is a list of topics that are likely to be used in the exam. However, you are responsible for all topics that were covered in the course.)

Chapter 1:   General ideas of statistics, data collection, and survey methods. Visual displays for univariate data. Binomial, Poisson and Normal distribution. (Sections: 1, 2, 3, 4, 6)
Chapter 2:   Descriptive measures (sections: 1, 2, 3)
Chapter 3:   Correlation and simple linear regression (section 1, 2, 3)
Chapter 4:   Precision, accuracy, repeatability.(section 4)
Chapter 5:   Sampling distribution. (section 5)
Chapter 6:   Process capability index (section 4)
Chapter 7:   Confidence interval estimate and sample size (sections 1, 2, 3, 4, 5)
Chapter 8:   Testing Hypotheses (sections 1, 2, 3) (section 3 only on test for Homogeneity of several categorical variables)

Multiple-choice with possibly multiple answers, and also expect to see a few fill-in-the-blank questions. You need to bring a scientific calculator. The tables for various distributions and a formula sheet for interval estimates and test statistics (the same as the copy in the class note) will be provided.