by Morris H. DeGroot and Mark J. Schervish (Addison Wesley, 2002)

Instructor:  A. Savu

Prerequisite:  STAT-251*.

Evaluation:  
- Homework  20%
- Midterm Test  20%
- Final Examination  60%

Outline:
Basic methods of Data analysis (histograms, probability plots). Statistical estimators and their relative efficiency; method of moments. Principles of hypotheses testing; tests for the mean and variance of the normal distribution; tests for the population proportion; two-sample tests. Linear regression, theory of least squares, testing hypotheses about the parameters of a linear model; elements of the model diagnostics.