This document is subject to change

- March 29

- worth 250 pts (25% of the final grade)

Ch 6

- definition/properties of the random variable

- mean/expected value of a probability distribution

- continuous vs discrete

- normal distribution

- finding cummulative probabilities for the normal distribution

- finding a z score related to a specific cummulative probability

- using z scores for finding cummulative probabilities for the normal distribution

- comparing variables that use different scales

- the binomial random variable

    - conditions
    - parameters (n, p)
    - properties (μ, σ)
    - equation for finding probabilities

- normal approximation for the normal random variable

- sampling distributions of the sample proportion and sample mean

- meaning of the standard error

Ch 7

- point estimates

- interval estimates

- constructing a confidence interval with a given acceptable error (α).

- margin of error

- create confidence intervals for

    - sample proportion
    - sample mean

- t distribution

  - when to use

  - what assumptions are made

- how to choose a sample size