You may bring to the exam:
- Your calculator – please check batteries
- A pen or pencil
- 1 8 ½ by 11" page of handwritten notes (both sides)

The exam will cover:
Chapter 1
- Key Statistics Terms – Population, Sample, Parameter, Statistic, Variable, Data
- Types of Data – Qualitative, Discrete quantitative, Continuous quantitative
- Relative Frequency Tables
- Sampling Methods – SRS, Stratified, Cluster, Systematic, Convenience
  - Is a given sample representative?
- Fairness and bias question design

Chapter 2
- Drawing and interpreting histograms (discrete data only)
- Drawing and interpreting boxplots
- Median and quartiles (Q1, Q3)
- Percentiles
- Sample mean $\bar{x}$, median and mode
- Sample standard deviation s_x (calculator only)
  - Comparing data from different groups using s_x
- Outliers
  - IQR Method – less than Q1-(1.5)(IQR) or more than Q3+(1.5)(IQR)
  - Standard deviation method – more than 3 std devs away from $\bar{x}$

Chapter 12
- Independent and Dependent Variables
- Finding the equation of a regression line using your calculator
- Making predictions using the regression line
- Correlation Coefficient
  - Positive or negative?
  - Determining if it is significant using Critical Values Table
- Finding outliers using calculator program