EXAM III, Study Guide

- Relational Databases and Database Design
  
  Lecture 28, Database Concepts
  Pages 1 to 11 of the Appendix of the textbook. (Integrity Constraints is not included)

  Types of questions:
  - Given a database of at most 5 tables, draw an ERD that relates the tables.
  - Questions like the Review Questions 1, 2, 3, 4, 5, 6, 8, 9 of the Appendix.

- Spreadsheets, Problem Solving Using MS Excel

  Concepts on the use of Excel worked in class, labs.

  Types of questions:
  - Given a data set, determine the most appropriate type of Chart to display it
  - Determine how to plot data series (by row, by column)
  - Mixture problems (grades, portfolios), proportions
  - Problems involving Financial Functions (know the Financial Functions well)
  - Problems that measure change, like percentage of increment, decrement of quantities
  - Use of IF function.
    - IF(logical_test, value_if_true, value_if_false)
    - nested IFs
    - COUNTIF(range, criteria)

  See icurto's web page for some examples