The following types of questions are examples only. You are responsible for all of the topics in ch. 1-9 & 22 of the textbook and my “ReqEng notes” (available on the class web page). Warning: you should read the textbook; reading only the author’s Power Point slides is not sufficient.

- Software Engineering Terminology and basic ideas (True/False, Multiple Choice, Matching Questions) – samples:
  - The difference between Requirements Elicitation and Requirements Analysis is …
  - The goal of the Design Phase is …
  - One way in which the Spiral Model differs from the Waterfall Model is …
  - The most expensive phase is …
  - A disadvantage of the Waterfall Model is …
- Given a primary scenario, write five related secondary scenarios
- Given several related primary and secondary scenarios, write one use case to cover them all
- Essay type question examples:
  - Explain the pros and cons of SWE method XXX
  - Compare SWE method XXX to SWE method YYY
  - Explain why method ZZZ would be appropriate or not for this problem …
  - Describe five Requirements Elicitation methods
  - Give a VORD analysis of stakeholders and services for this problem …
- Give a formal algebraic interface specification (ch. 9) for this problem (e.g. a List ADT) …, or given an algebraic specification, answer questions about it
- Diagrams: given a problem description, draw a DFD, State Machine, Class Model, or Project Scheduling Activity Network; or given such a diagram, answer questions about it.
- Essay/analysis: Given a case study, recommend the best SW process model and Requirements methods to use, analyze the risks, and create a schedule. Justify your answer.