

Exam #1 Study Guide EcpE 310, Spring 2002 (Russell)

DATE AND TIME: Tuesday, February 12, during the usual class time in our usual classroom.

SUBJECT MATTER:

- The exam will cover the lecture material up to, and including, the lecture on February 5.
- It will cover the text book through Section 1.5

SUGGESTIONS: Start or join a study group. Study together and share lecture notes. For this first exam, concentrate on answering conceptual questions, some of which will be in essay form.

General Information

- Exams are closed book. One 8 1/2 by 11 sheet of paper (crib sheet) can be used for reference to study notes. No other information is allowed.
 - Bring your palm computers and/or calculators to class. They are usually not needed but if they are, you will be specifically instructed to do so at the start of the exam.
 - Selection of exam problems will give emphasis to the topics emphasized in the lectures and the problems assigned as homework.
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Example Study Topics (test questions will be taken from these)

- Propositions and their truth values
- Truth tables 1-7
- Negation, connectives
- Logic and bit operations
- Propositional equivalences
- Logical equivalences (Table 5)
- Predicates and quantifiers
- Universal quantification
- Existential quantification
- Sets and set properties
- Set elements
- Universe of discourse
- Venn diagrams
- Cartesian products