Final exam study guide

1. Skip chapter one
2. Chapter 2
   • read slides 4→29
3. Chapter 3
   • read slides 8→26
4. Chapter 4
   • Read slides 4→29
5. Chapter 5
   • Read all slides
6. Chapter 6
   • Read slides 4→20
7. Chapter 7
   • Read slides 3→21
8. Chapter 8
   • Read all slides
9. Chapter 9
   • Read all slides
10. Chapter 10
    • Read slides 3→23
11. Chapter 11
    • Read slides 3→23
12. Chapter 12
    • Read all slides
13. Chapter 13
    • Read slides 3→22
14. Don’t forget the bonus question

All the numbers above are inclusive.

General hints

• Scoring a good grade in this course is pretty doable, assuming you study regularly and do not defer studying until the exam’s night. That’d be really too late.
• The exam will focus on chapters 10-13 (inclusive). If I were you, I’d do these first and get confident with them, then I’d solve the first and second exams on my own and make sure I get fairly correct answers there. After that, I could spend the remaining time reviewing the older chapters.
• The material, is more general than specific and the pivotal concepts are covered in more than one chapter so that you have a better chance grasping them.
• Don’t try to memorize without understanding, it just does not work. Also, don’t read plainly. First read the slide, then cover it and try to summarize it. Collect your summarizations in a separate notebook.
• After you summarize a chapter revisit your notes and highlight the most important (or confusing) concepts. This helps you know your strong as well as weak points in each chapter.
• Binary arithmetic is the only topic that requires a slightly different studying strategy. There, summarizing is not good enough. You must practice with the numbers and get your hands really dirty while you do so (just like any other math-related topic).