Final – Chapters 7, 8, 9, 10, 11, 13, 14, 17, 15, & part of 16

Best way to prepare for the exam:
> *Eat right, get enough sleep, and exercise☺*
> *Make sure you arrive at the exam early!*

Also, review class notes and the corresponding chapters in the textbook. Then practice class and book exercises and problems, and class examples without consulting the notes.

110 min, 100 points, comprehensive, closed book, closed notes. However, you may use one 8 ½ x 11 inch hand written notes sheet. Final exams papers will be retained for a period of 90 days from the exam date. The final exam will be similar to the midterm exam, emphasizing the material learned after the midterm exam but covering the rest of the quarter as well.

1. (12 points)
   a.   // Chapter 7 : 7.9 & 7.8 – 2D Arrays & 3D and multi-dim. arrays
   b.   // Chapter 8 – Binary Search & Insertion Sort
   c.   // Chapter 9 – Pointers
2. (12 points)
   a.   // Chapter 10 – Strings
   b.   // Chapter 10 – Structures
   c.   // Chapter 11 – Structures
3. (12 points)
   a. 13.1 – 13.5, page 727   // Chapter 13 – Intro to Classes
       13.6 – 13.11, page 737   // 13.10
   b. 13.12-13.20, page 753   // Chapter 13 – Intro to Classes
       13.21 – 13.26, page 761   // 13.22
   c. 17.1 – 17.4, page 1005   // Chapter 17 – Linked Lists
       17.5 – 17.7, page 1017
4. (12 points)
   a. 17.8 – 17.10, page 1021   // Chapter 17 – Linked Lists
       1, 3, 5, 6, 7, 8, 9, 21, 33-35, page 1037
   b. 15.1, 2, & 3, page 877 // Chapter 15 – Inheritance, Polymorphism & VTables
       15.4, 5, & 6, page 883   // 15.6
       15.7 & 8, page 895   // 15.8
       15.9 – 15.15, page 925   // 15.13
   c. 16.6 – 16.9, page 973   // Chapter 16 – Templates
       16.10&11, page 982
       10, page 1037
5. (25 points) A problem, such as one of the following:
   Update an array of Book structures   // Chapter 11
   48, page 788   // Chapter 13
6. (25 points) A problem such as one of the following:
   Reverse a Linked list   // Chapter 17
   6, 7, page 1040   // Chapter 17

NOTE: No cell phones, iPods, headphones, PDAs, laptops, or risk getting a zero on the exam.