The syllabus for Exam I is Chapter 5 and Sections 1 and 2 of Chapter 6. The exam will have the same format as the exams from last semester. The study guide for the text (available on the class website) has nice summaries and many solved exercises for each section of the text. In addition, there are review exercises for each chapter. Here are some suggested exercises from the study guide to work on. Most have solutions provided in the Study Guide.

§5.1: 24, 27, 29
§5.2: 24, 27, 28, 31
§5.3: 27, 29, 30, 31, 33, 34, 36, 38, 43
§5.4: 17
Chapter 5 Review Exercises: 6, 7
Chapter 6 Review Exercises: 1, 2, 3, 5, 6

You should be sure to know precise definition of the terms we have used, and you should know precise statements (including all relevant hypotheses) for the main theorems proved. There is a useful webpage administered by the author in which he makes a detailed list of all definitions and theorems. You should know these definitions and theorems from Chapter 5 and the first 2 sections of Chapter 6. Here is a link to this webpage:

http://www.math.niu.edu/~beachy/aaol/frames_index.html