Psychology 300/480  
Intelligence (Chapter 7)

To properly prepare for the test that includes this chapter you should study the material in the book and in lecture that would allow you to do the following:

1. Describe the history of intelligence testing, including who created the first modern, valid test of intelligence and when, and what specific things were measured in this test.
2. Describe what is meant by the terms valid, reliable, and standardized as they relate to intelligence testing.
3. Describe the various types of intelligence tests that are used today, including who developed them.
4. Describe how the intelligence quotient has been traditionally determined, and why we don’t use the formula with adults.
5. Describe the characteristics of the “bell curve” of intelligence scores, including the percentages and IQ scores of test takers who are considered mentally retarded, average, and gifted.
6. Describe Terman’s research on gifted children, including the conclusions and implications.
7. Describe some of the major current views on the definition and the composition of intelligence, including Sternberg’s and Gardner’s views.
8. Describe the characteristics of an autistic savant, and indicate what these people may teach us about intelligence.
9. Describe what is meant when we call a test “biased,” and indicate why some bias may actually be necessary in order for a test to be valid.
10. Describe the evidence that intelligence is influenced by nature (genes), as well as the evidence that intelligence is influenced by nurture (environment).