

Math 148 Spring 2016 Homework Two

February 6, 2016

The reading assignments in this and subsequent homeworks are not enforceable. Rather, they are meant to draw your attention to items in the text that got rather short treatment in lecture but are **important for doing well in quizzes and exams** and might also help you do the written assignments more efficiently. To put it differently: **Ignore them at your own peril!** Finally keep in mind that “read” really means “read extra carefully”: Everything in the text is fair game in quizzes and exams (including the final) **unless the instructor has explicitly stated that a topic or subchapter can be ignored**. In other words, you are expected to study the text, including the examples but not the exercises.

Reading assignments:

Subchapter 5.2:

Be sure to understand the table lookup examples #2 - 7: You should be able to do them closed book.

Subchapters 5.4-5.6:

Those were dealt with in less than 15 minutes time so you really have to study them. Pay particular attention to ch. 5.6 which is a little bit more than one page and see that you understand examples 11 and 12.

Chapter 6:

- a. Pay attention to all boxed statements in ch.6.
- b. In lecture you saw the following:

$$\text{observed value (individual measurement)} = \text{actual value} + \text{bias} + \text{chance error.}$$

Compare this to the equation on top of p.101:

$$\text{individual measurement} = \text{actual value} + \text{chance error.}$$

- c. Be sure to understand ch. 6.3, 6.4 (together less than 1 1/2 pages).

Written assignments:

Chapter 4:

Review Exercises on page 74 of the text:

Hand-written OK: #1, 3.

Must be typed: 5, 6.

Chapter 5:

Review Exercises on page 93 of the text:

Hand-written OK: #1.

Must be typed: 2, 8.

Chapter 6:

Review Exercises on page 104 of the text:

Must be typed: 2, 3, 4.