Final curriculum STK4011-f17/STK9011-f17

Text book:

Casella, G. and Berger, R.L. (2002). Statistical Inference. Second edition. Brooks/Cole CENGAGE Learning. ISBN-13: 978-0-495-39187-6, ISBN-10: 0-495-39187-5.

The curriculum consists of the following parts:

- Chapter 3: Sections 3.4, 3.5 and 3.6.1. In addition the students should know the basic properties of the probability distributions in sections 3.2 and 3.3.

- Chapter 4: Bivariate and multivariate transformations of continuous random variables (pages 158-162 and 185-186). Jensen's inequality (page 190).

- Chapter 5: All, except Section 5.6.

- Chapter 6: Sections 6.1, 6.2.

- Chapter 7: Sections 7.1, 7.2 (except 7.2.4), and 7.3 (except 7.3.4).

- Chapter 8: Sections 8.1, 8.2.1, 8.2.3, 8.3.1, and 8.3.2.

- Chapter 9: Sections 9.1 and 9.2.1 (except examples 9.2.4 and 9.2.5).

- Chapter 10: Sections 10.1 (except 10.1.4), 10.3.1, 10.3.2 (until the middle of page 495), and 10.4.1.

The material covered in the exercises is also part of the curriculum.

Permitted aids at the written exam are the List of formulas for STK1100 and STK1110 and the Summary of results for STK4011/9011. Note that you have to bring your own copies of these aids at the exam and that you are not allowed to write anything in them.