

## 34340: Teletraffic Engineering and Network Planning

**Reading material for written exam, Monday, May 25, 2009:**

*Villy Bæk Iversen: Teletraffic Engineering and Network Planning.* DTU-Fotonik 2009. 16 + 358 pp.

excluding the following sections:

- Section 1.11: Introduction to Grade-of-Service = GoS.
- Section 3.7.2: Batched Poisson process.
- Section 4.7: Fry-Molina's Blocked Calls Held model.
- Section 5.8: Batched Poisson process.
- Chapter 6: Overflow theory.
- Chapter 8: Dimensioning of telecom networks.
- Section 9.3: Moe's principle for delay systems.
- Section 9.7: Optimizing the machine-repair model.
- Section 9.8: Waiting time distribution for M/M/n/S/SW-FCFS.
- Chapter 13: Traffic Measurements.

**All aids are permitted, including pocket calculator and computer.** So there is no need to remember mathematical derivations, but only to understand them. It is recommended to study exercises & solutions which all are available at the home-page:

<http://oldwww.com.dtu.dk/education/34340>

The above textbook is available at the home page. A version, including all exercises with hyper-links, will be available at the end of the course. (All versions of the textbook downloaded after January 25, 2009, are valid).

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