

Course analysis for IK1330 Wireless Systems

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COURSE DESIGN

The course is designed to give an overview of wireless systems. It is divided into five parts: transmission fundamentals, radio links, wireless networks, wireless systems, and economics and structure of telecom markets. The learning activities consist of 13 lectures, three seminars, two labs and three case studies. The course is examined by the seminars (participation), the case studies (written reports and opposition reports) and the labs. There is no written exam.

Changes from the last course round:

- The grading of the case studies has changed. The review reports have not directly been graded, but instead, all parts of the case study have been used to grade the students individually.
- The information about all due dates, rules and specific organization of the course has been improved.
- The telecom market case study has been better integrated into the course.

THE STUDENTS' WORKLOAD

The LEQ indicates a varying workload from 10-30 hours/week. The case studies are made in groups of three students, and the workload and ambition might vary between the participants.

THE STUDENTS' RESULTS

9 of 10 registered students passed the course (90%).

OVERALL IMPRESSION OF THE LEARNING ENVIRONMENT

There are few responses for the LEQ but gives at least a hint what the students think. My impression from the LEQ and talking to the students (it was a small group) is that they were happy with the course. One comment was that the wireless network case study was demanding and that more time is needed between the lectures and the deadline for the case study.

ANALYSIS OF THE LEARNING ENVIRONMENT

The polar diagrams are relatively even, but one thing that can be worked on to have more concrete examples and make the examination more demanding.

ANSWERS TO OPEN QUESTIONS

The course main examination is three case studies, and it's a challenge to allow enough time for both the lectures and the case studies.

PRIORITY COURSE DEVELOPMENT

1. Design the time structure of the course carefully to allow for more time for the last case study.
2. Require an oral presentation of all case studies, not just written reports.

OTHER INFORMATION

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