

Advanced Operating Systems (263-3800-00L)

Wrap-up

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Course Evaluation: Written comments

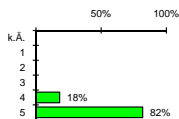
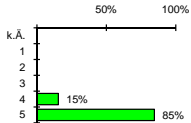
Course was tough, but generally enjoyable and worthwhile.

Lectures:

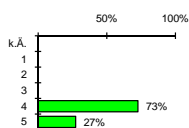
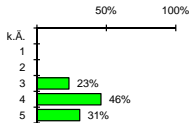
- ▶ Discussed too many papers (2–3) at once
- ▶ What's the (exam) takeaway from each slide
- ▶ More diagrams, possibly live

Practical work:

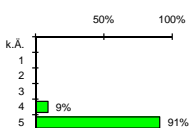
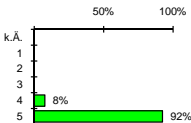
- ▶ Clearer success criteria for practical work
- ▶ Not enough credits for the work involved
- ▶ L4/Arm is hard, please use x86



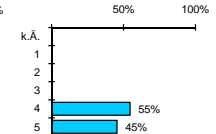
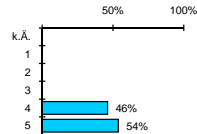
(TR, AB) was engaged with his teaching



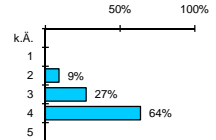
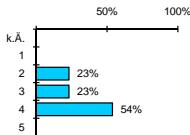
...explained the material clearly and understandably



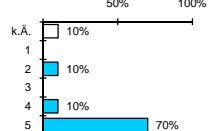
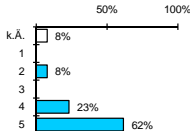
... had a good grasp of the teaching language



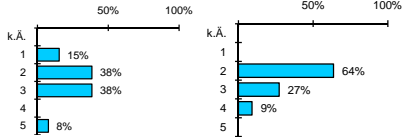
How often did you attend the course?



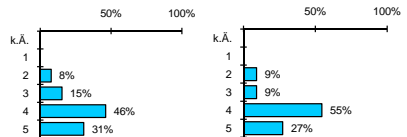
Knowledge transfer took place in connection with the lecture



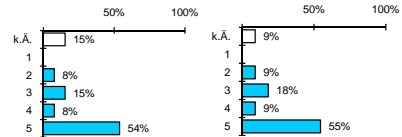
Knowledge transfer took place in connection with the practice exercises



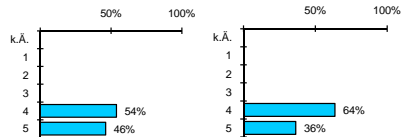
The lecture was (1: difficult; 5: simple)



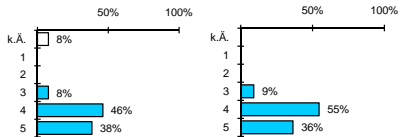
The lecture had a clearly-recognizable concept



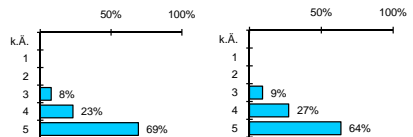
The lecture did not overlap with other classes



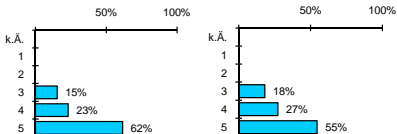
The instructor organized his teaching well (structure, transparency, thread)



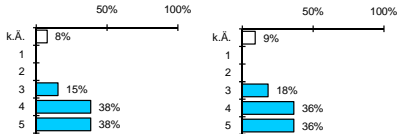
The lecture built upon previous knowledge



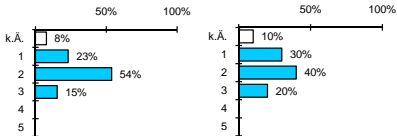
The instructor encouraged participation and reacted well to questions and comments



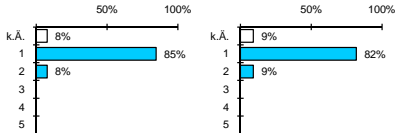
The instructor deployed media competently and helpfully



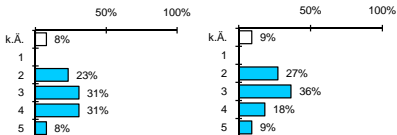
The practice exercises augmented my understanding of the lectures well and supported my learning



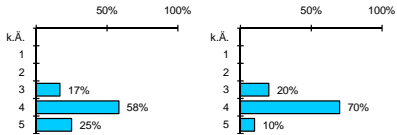
The practice exercises were (1: difficult; 5: simple)



The practice exercises required time expenditure per week (1: >8h, 2: 6-8h)

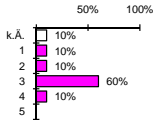


The practice exercises were organized well around the lectures (time & content)

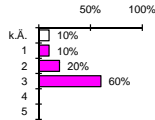


My general impression of the course

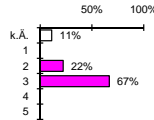
The level of detail for the following topics was (1: difficult; 5: simple)



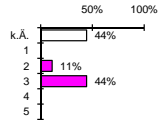
Caches and TLBs



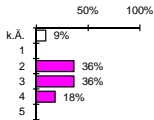
Microkernels & L4



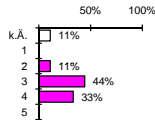
Threads, dispatch,
IPC and events



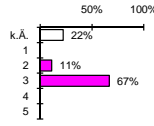
Networking



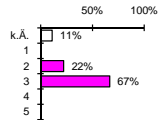
Kernel constr.,
page tables



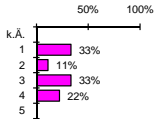
Security



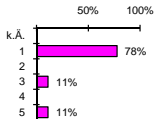
Scheduling



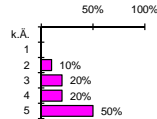
Multiprocessing
and multicore



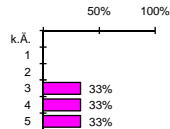
The project milestones were clearly specified



Compared to other 6 unit courses, this course requires (1: more; 5: less) work



This course has increased my interest in OS research



I would recommend this course to other students

Changes planned

For next semester

Lectures:

- ▶ More content/detail in security lectures
- ▶ Summaries of key takeaways
- ▶ Adapt schedule to better match lab milestones

Lab work:

- ▶ Clearer setting of milestone *expectations*
 - ▶ Note: exact design goals are part of the exercise
- ▶ Adjust deadlines for difficult milestones
 - ▶ This semester was particularly difficult due to holidays
- ▶ Long-term goal: move to different hardware

Credits:

- ▶ Difficult: requires negotiation for >6 credits.

The Exam

Form and Content

Form:

- ▶ 15 minute oral examination

Content:

- ▶ Material from the lectures
- ▶ Concepts you should have learned in the labs

Focus:

- ▶ *Principles and concepts*
- ▶ Not implementation details, dates, or personalities

The Exam

Schedule

- ▶ Date: Monday June 8th
- ▶ Location: IFW B45.2
- ▶ Feel free to arrange swaps, but you must **tell us!**

9:00 Akgül

9:15 Trachsel

9:30 Godenzi

10:00 Marforio

10:15 Meskauskas

10:30 Noll

11:00 Payer

11:15 Pires Moreno

11:30 Salomie

lunch

13:00 Schmitt

13:15 Stocker

13:30 Su

Masters theses

OS projects available

- ▶ OS support for heterogeneous cores
- ▶ Scalable storage layer for Barrelfish
- ▶ Haskell on Barrelfish
- ▶ Making device drivers safer

More info: <http://www.systems.ethz.ch/education/theses>
...or talk to us!

And finally ...

Thank you for participating!
You've been a great bunch of students.