

Communication Networks 2

Exercises & Practical Exam Task



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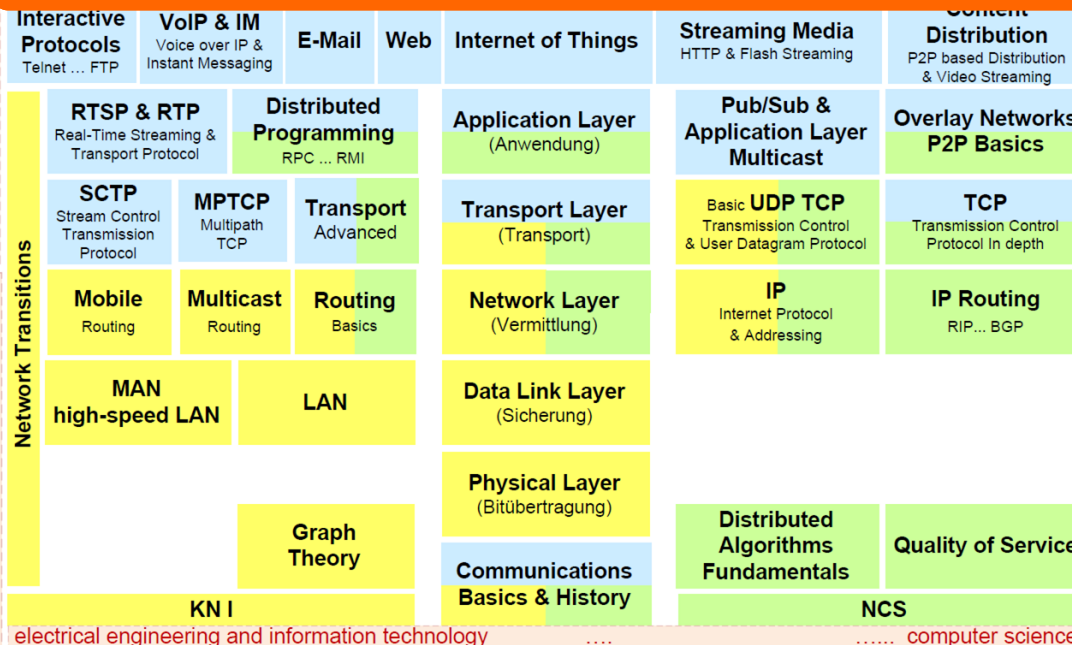
Physical Layer Security in Wireless Systems /mh Network Security /mh Mobile Networking /mh Secure Mobile Systems /mh Resilient Networks /mf
Human-Comp. Interaction /mm Speech Com. Systems /dsw TK3: Ubiquitous Computing /mm TK2: Web Engineering /mm TK1: Distributed Syst. /mm
KN IV: Performance Evaluation /kp Ubiquitous Computing in Business Processes /lh_zn Methodologies and Tools of Scientific Research /ar
Algorithms for Mobile Networks /pm_xp QoS in Telecom. /gh P2P Systems and Applications / P2P Methods /dh Software Defined Networking /dh
Simulation..Modeling..Mobile /pr_am Mobile Communications /ak Mob. Participatory Sensing.. /kn Simulation and Evaluation of Computer Networks /mf
Service Games /eg Social Learning and Knowledge Sharing /ecm /ecm Wireless Sensor Networks /ss Mobile Sensing /ss Content Networking /n

KN1-KN2_NCS_LOGO_EBENEN_V4.3_2014.09.10.VSD KN1_KN2_(nccs)

KN II

10-Sep-2014

Master



10. September 2014

Prof. Dr.-Ing. **Ralf Steinmetz**
KOM - Multimedia Communications Lab

Organization

- Exercises published on Thursday
- Beginning on 23 October
- Solutions presented one week later (and uploaded on to Moodle)
- No recording of the exercise solution

Content

- It is relevant for the exam
- It consists of
 - Theoretical questions
 - Comprehension questions
 - Calculation exercises
 - Small practical tasks

Usually exams involve

- Learning last-minute → information quickly forgotten
- Only theoretical and calculation exercises



We want

- Steady work during the semester
- Students to gain hands-on experience



Solution

- The exam consists of two parts:
 - Written exam¹
 - Practical task ✓
- Both allow you to obtain maximum 120 points:
 - 108 in the written exam and 12 for the practical task (10%)
- There is no exam bonus

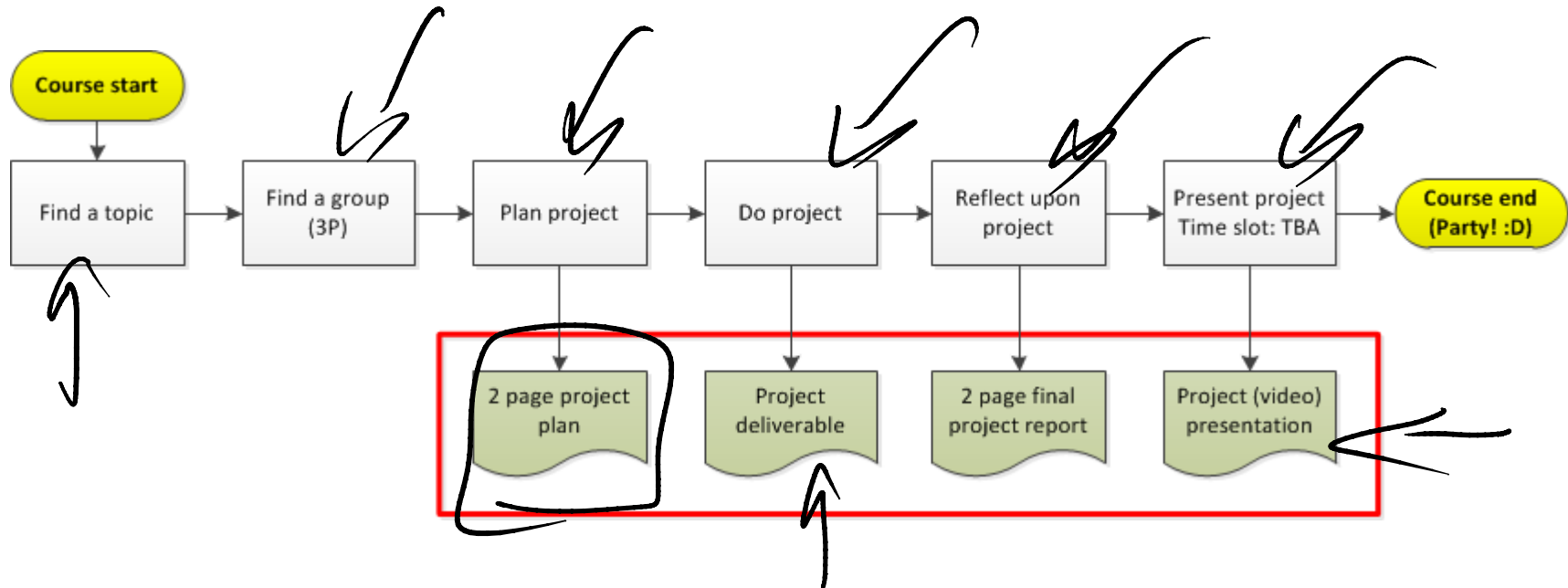


Organization:

- We provide a list of implementation tasks for you to choose
 - Check Moodle for the list
- Team work: 3 members/team
 - If you have a group, register as a group
 - Otherwise, register for a topic and we'll find you a group
- This is an exam task → no "real" group supervision
- Start: 27.10.2014
- End: 22.01.2015

Grading:

- Only formally correct submissions will be graded
- 2 points for your project reports
- 5 points for the whole project given by your topic advisor
- 5 points for the whole project given by the grading committee
- Given solely based on your final presentation



Formally Correct means:

- All deliverables must be uploaded on to Moodle in time
- There will be no deadline extensions
- The solution must be presented at the groups time slot of the final presentation

Deliverables

Project reports

- Initial plan
- Final report

Application code

- It must be compiled
- You have to also include
 - a readme file
 - explaining all system requirements and
 - extra libraries,
 - as well the steps required to run the solution

Final presentation as a video where you

- Explain your concept
- Show you application running

3-5 min

Project Reports

Structure

- Five questions
- Two pages

Plans count towards the final grade!

Project Plan

- Deadline: 20. Nov. 2014
- Makes you plan your work
- Informs us about your plans








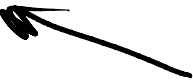

Final Report

- Deadline: 22. Jan. 2015
- In order to make you review your plan and reflect upon your work
- Informs us about your outcome

Preliminary report questions

- What are your project goals?
- Which of these have been achieved up to now?
 - Mention partly achieved goals, too
- How do you plan to achieve the rest of the goals?
 - Here, you provide a time plan for each group member, with a short description of what they will do each month/couple of weeks
- How will you verify the achievement of the aforementioned goals?
- What are the main challenges in your project?

Final report questions

- Which were your project goals? 
- Were they all achieved? 
 - Mention also, if fully or to what extent 
 - Also mention if you decided to add any new goal 
- Was your initial plan good? Did you follow it?
 - No need to hide/lie about something ;-)
 - You can explain here why the old plan was bad and needed to be adjusted
- What are the lessons learnt? 
 - Both practically and in terms of planning 
- If you were to continue working on this project another semester, what would you do? (What would your goals be?) 
- Plus one citation rubric for any libraries, papers or any other sources you might have used 

Important Dates

Topic registration

- 21.10.2014 (23:59 CET) ←

Project start (group formation done)

- 27.10.2014 ←

Project plan

- 20.11.2014 (23:59 CET) ←

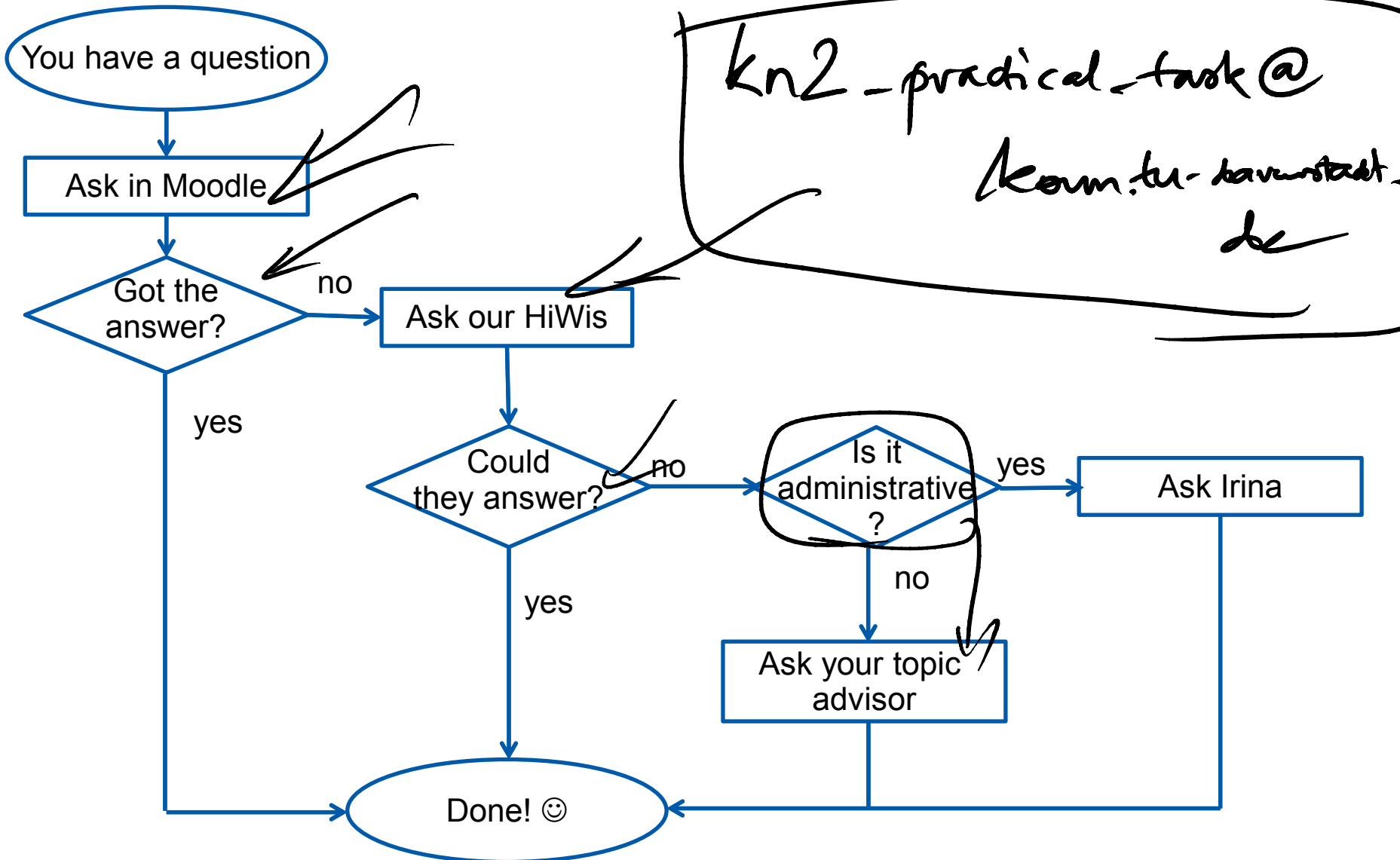
Final submission: code + project report + video ←

- 22.01.2015 (23:59 CET) ←

There will be no deadline extensions!

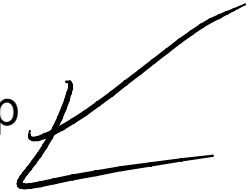


Questions



Example of problems:

- You are the only one working in your group
- Someone left your group
- You want to switch places with someone from a different group
- ...



When we want to know it

- As soon as possible!

When we don't want to know it

- After a month, two, three, at the end of the semester...
- If this happens, it will be too late for us to solve the problem
- E.g., if a group member left and you did the whole project in a group of two without informing us, you will not get extra points/more lenient grading



Next Step



Registrations

- Via Moodle Wiki
- Open at 18:00 today



Questions?



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No More Questions?



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Go and look at the topics 😊