

NETWORKS OF THE NEW GENERATION – EXERCISE SCHEDULE (WS 2025/2026)

Exercises take place in person every Friday at 08:00 and 10:00.

Rooms for exercises:

Instructor David Hecl: Friday 8:00, lecture hall CD300

Instructor Jakub Letenay: Friday 10:00, lecture hall CD300

Link to preview of exercise materials: bit.ly/ngn2025

Syllabus:

Introduction to the subject

Introduction to switching systems and telecommunications, assignment of semester projects

3rd and 4th generation switching systems

KTZ and digital switching field

Protocols used in switching systems

Communication networks

Next Generation Networks 1

Next Generation Networks 2

Presentation of semester projects – Part 1

Presentation of semester projects – Part 2

Control test

Credit awarding – consultations

Conditions for obtaining credit:

- Active participation in exercises (answering random questions),
- Submission of semester assignment (PDF, .pptx),
- Presentation of semester project (9th or 10th week) is mandatory,
- Maximum of two excused absences (e.g., with medical confirmation recorded in AIS according to the Dean's directive No. 2/2013).

Evaluation:

- Maximum 30 points can be obtained for exercises,

- Minimum 20 points are required to receive credit,

- Points are awarded as follows:

- Semester project – max. 10 points, min. 6 points

- Control test – max. 15 points, min. 9 points

- Activity – max. 5 points, min. 3 points

Contacts for instructors:

Ing. David Hecl (Head Instructor) – xhecl@stuba.sk, david.hecl@stuba.sk

Ing. Jakub Letenay – jakub.letenay@gmail.com, jakub.letenay@stuba.sk

Semester Assignment:

- Each student will be assigned a topic (or can choose one from the available topics),
- The output of the assignment will be a 5–10 minute presentation,
- All presentations in PDF or .pptx format must be sent to the instructor via email no later than one day before the first group presentation (9th week),
- Presentations will take place in the 9th and 10th weeks of the semester according to the course syllabus,
- The semester project and presentation can earn a maximum of 10 points, but at least 60% (6 points) must be achieved,
- The presentation must have a maximum of 15 slides,
- Text on slides must be in bullet points, with 5–6 points per slide,
- Each bullet point should have approximately 6 words,
- Text must be easily readable (recommended 24 pt),
- Images are recommended and should be explained verbally,
- Sources used must be listed at the end (Wikipedia is not considered a reliable source),
- When translating English sources, use the “Explanatory Terminological Dictionary of Electronic Communications”,
- If a student fails to submit the assignment on time, the maximum score will be reduced from 10 to 6 points.

Presentation evaluation criteria:

- Presentation fluency – max. 1 point (delay – max. 0.5 pt)

- Expertise and content – max. 5 points (delay – max. 3.5 pts)

- Adherence to time – max. 2 points (delay – max. 1 pt)
- Compliance with presentation requirements – max. 2 points (delay – max. 1 pt)

Test:

- The credit test will take place during the 11th exercise,
- It will include various question formats and scoring values,
- A maximum of 15 points (minimum 9 points) can be obtained.

Credit:

- Credit will be granted only to students who meet all conditions,
- It will be awarded in the final 12th week of the semester,
- Students will be able to discuss their scores during this session.

Other:

If you have any questions, issues, or inconsistencies, contact your instructor by email.

Any rescheduling or postponement of exercises will be announced in advance.

GOOD LUCK ■