

Dear students,

As your new teacher, I greet you on the occasion of the start of PV 234 in the spring semester of the academic year 2023/2024 :-).

The lessons will take place every Tuesday from 17:00 to 19:50. I will be waiting for you for the first time in front of the Faculty of Informatics at 16:45.

Unless something extraordinary happens, the classes will be held at my alma mater, the University of Defence, at 2/4 Šumavská Street (barracks, entrance is against Chaloupeckého náměstí/square – which is a park). I will wait for you here, please be here always at 16:55, as there are formalities associated with entering the area. Always bring your ID card with you. I anticipate the last lesson on 21 May 2024.

The current official format of the CCNA course does not seem to me to be very good. The year before last, some practical topics were dropped and other, theoretical topics were inserted instead, but only in a descriptive form; other topics were unnecessarily watered down.

I have therefore decided to modify the course slightly, adding some chapters and especially modifying the content of labs. Some of them I took from other Cisco courses, some of them I created on my own. You can find all necessary items in the Masaryk University Information System (IS) in the Study Materials folder.

In order to make it easy to understand, I kept the original file names, only I put my serial number (01-21) in front of them. The final two chapters, Network Virtualization and Network Automation, will be discussed only very briefly, or as self-study.

Specific things:

In the IS under "Learning Materials" you will find an important file "Detailed_plan_of_lessons_2023_2024-Spring-v1.pdf", it contains a detailed schedule of all jobs, including the hardware labs and Packet Tracer labs (these you will do home, the resulting configuration files will be put in the "Homework Vaults" folder). I will specify some of the labs later.

* Learning Materials

I have stored the following items in the IS ("Study Materials") for your use:

- The detailed job schedule - file "Detailed_plan_of_lessons_2023_2024-Spring-v1.pdf"
- Particular lab assignments - file "Muni-Labs-2023JS.zip"
- Basic configuration procedures for switches and routers - file "RTR_CMD-2-EN-(46).pdf"
- Cisco materials: presentations "ENSA_v7-PPT-JK.ZIP" (slightly modified by me, plus added OSPF presentations from the previous version of the course), PT labs "ENSA_v7_Student_Packet_Tracer_Source_Files.zip", hardware labs "ENSA_v7_Student_Lab_Source_Files.zip"

Tasks and Assessment:

Ongoing completion of the following tasks:

1) Chapter exam - there are five: 1) Emerging Network Technologies, 2) Network Security, 3) OSPF Concepts and Configuration, 4) Optimize, Monitor, and Troubleshoot Networks, and 5) WAN Concepts Exam. These exams will be permanently active, so try to complete them as soon as possible, but always before the actual lesson.

2) Practice Final Exam - This is a practice (training) version of the final exam.

3) Hardware labs - as scheduled, spot check.

4) Packet Tracer lab labs - as scheduled, save the resulting configuration files to the " Homework Vaults ".

The final grade will be given by the average of these sub-assessments:

1) Final Skills Exam (on hardware), 14 May.

2) Final Exam (theoretical), 21 May.

Percentage of success and grade:

>=90 A

80-89 B

70-79 C

60-69 D

50-59 E

<50 F

I hope I haven't forgotten anything, I wish you good luck and especially good health. If you have any questions, please do not hesitate to get in touch. My phone number is +42 608 418 571.

Josef Kaderka

107220@mail.muni.cz

PV234 Enterprise Networking, Security, and Automation