

## Introduction to IT – course program 2020/2021

1. Computer science – introduction
2. Computer components and peripherals
3. Using WWW as information source
4. Text processing 1: basic operations
5. Text processing 2: advanced operations
6. Introduction to logic
7. Arithmetic of numbers 1
8. Arithmetic of numbers 2
9. Test 1
10. Spreadsheet 1 – basic operations
11. Spreadsheet 2 – advanced operations
12. Spreadsheet 3 – numerical calculations
13. Virtual machines
14. Operating systems 1 – basic concepts, components and usage
15. Operating systems 2 - continued
16. Operating systems 3 – using shell
17. Network – basic architectures, protocols and usage
18. Computer graphics – introduction to image manipulation programs
19. Computer graphics – charts and diagrams
20. Group work – tools and group work flow
21. Test 2
22. Algorithms - problem solving, computational and algorithmic thinking
23. Algorithms – exercises

24. Programming fundamentals - Python 1
25. Programming fundamentals - Python 2
26. Programming fundamentals - Python 3
27. Computer science prospects
28. Text data files – popular formats and their application
29. Cloud computing, what is it for?
30. Final test