|  |  |
| --- | --- |
| Module name |  **Introduction to Information Technology** |
| Erasmus code |  PL\_UMCS\_Phil\_22 |
| ISCED code |  |
| Language of instruction | English |
| Website |  |
| Prerequisites |  None |
| Educational outcomes verification methods | Class participation, final test exam, practical test |
| Description | Lecture topics:1. Short history of computers and computing machines2. Computer system and its components3. Free software, including that used in the labs4. Elements of mathematical foundations of computer science: binary and hexadecimal systems, binary definition of information5. More detailed description of components of a computer systems6. Basics concepts connected with operating systems7. Some history of operating systems: from Unix to Linux, MAC, and Windows8. Basics of the Linux operating systemsLabs topics:1. Basic Windows system administrative tasks2. Elements of text editing and formatting. Creating scientific publications (LibreOffice)3. Spreadsheets and databases4. GNU PG asymmetric cryptography: GPG, Mozilla Thunderbird, Enigmail5. Creating, publishing, and administrating WordPress web pages6. Basic tasks in a Linux system |