Basic information about the subject (independent of the cycle)

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| **Module name** | **Python Programming 1** |
| Erasmus code |  |
| ISCED code |  |
| Language of instruction | English |
| Website |  |
| Prerequisites | None. Introductory course. |
| ECTS points hour equivalents | Contact hours (work with an academic teacher): 30Total number of hours with an academic teacher: 60Non-contact hours (students' own work): 120Total number of ECTS points for the module: 6 ECTS |
| Educational outcomes verification methods | Coding exam |
| Description | Basic characteristics of Python programming language, its scope of application, and specific features. Installation and usage of Python: Python interpreter, the built-in simple Integrated Debugging Environment –Idle, and more advanced, professional, open source IDE –Eric. Python introduction: keywords, identifiers, statements, comments, variables, data types, operators, input, and output. Python flow control (loops), Python functions (function definitions, recursion, anonymous functions, globals and locals, modules and packages). Writing simple programs to illustrate basics and somewhat larger projects to solve practical problems and to illustrate modules/packages methodology. |
| Practice | None |