**Lecturer:** dr hab. Piotr Giza, prof. nadzw.

**Title:** Python Programming 1

**ECTS:** 30

**Language:** English

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.