Course title: Introduction to Python
Institute/Division: Institute of Materials Engineering, Faculty of Materials Engineering and Physics
Number of contact hours: 60 (30h Lectures + 15h Computer Laboratory + 15h Project)
Course duration: 1 semester
ECTS credits: 3
Course description:

There are three main aims of the course:
1. Learning basic grammar and data structures of Python programming language.
2. Learning how to use basic scientific libraries.
3. Learning soft skills: team-work, communication in team.

Literature:
[1] M. Lutz – Learning Python, O'Reilly Media, 2013
[2] H. Fangohr – Computational Science and Engineering in Python, 2019, University of Southampton
[3] Various authors — Scipy Lecture Notes, 2019
[4] Various authors — SciPy Cookbook, 2019

Course type: 30h Lectures + 15h Computer Laboratory + 15h Project
Assessment method: Attendance, activity, homeworks and laboratory exercises, oral presentation
Prerequisites: Knowledge of use of computer; Knowledge of computer programming in any language will be useful but not necessary – the level will be adjusted to audience needs.
Primary target group: Majors in Materials Engineering and Physics
Lecturer: Radosław Kycia, PhD (rkycia@pk.edu.pl)
Contact person: Radosław Kycia, PhD (rkycia@pk.edu.pl)