(SE-025)

(Programmeerimine keeles Python)
(Python programming)

AINEKAART

Объем предмета (EAP)	4.00 ECTS
Оценивание	eristav hindamine

Цель курса и краткое описание

During the course, students will acquire basic programming techniques and tools, learn to use the Python Standard Library and external libraries, incl. PyPI; learn to test and create, document and package environments, different dialects and variants of Python, work with databases (traditional SQL and ORM), do scientific calculations and data analysis, create graphs and images; use interfaces for calling external functions (ctypes, cffi), and debugging and troubleshooting. During the course, the acquired programming skills are applied to realistic practical tasks.

Результаты обучения:

Студент:

1. creates Python programs;
2. is able to process files
3. creates graphical user interfaces at a basic level;
4. debugs and refactors programs using functions, modules and object oriented programming;
5. knows fundamental data structures: list, glossary, graph, tree