Course Specifications
Valid as from the academic year 2018-2019

Processing Language with Python (A704033)

Lecturers in academic year 2018-2019
Goethals, Patrick (LW22) lecturer-in-charge
Desmet, Bart (LW22) co-lecturer
Tezcan, Arda (LW22) co-lecturer

Course offerings and teaching methods in academic year 2018-2019
A (semester 1) English self-reliant study activities
seminar: practical PC room classes 22.5 h

Offered in the following programmes in 2018-2019
Postgraduate Certificate Computer-Assisted Language Mediation 5 A

Teaching languages
English

Keywords
Programming, Python, automatization, text analysis

Position of the course
This course offers an introduction to programming with Python. It does not require prior knowledge about programming. The focus of the course is on automatic text processing.
Programming skills have a number of benefits:
- An understanding of the functioning and possibilities of computer programs is becoming ever more important in a society where technology is omnipresent
- Programming trains analytical thinking and problem-solving skills
- Repetitive or data-intensive tasks can be automated with simple programs

Contents
The course deals with the following topics:
- basic concepts of programming: variables, operators, assignment, data types
- control structures: conditions, loops, recursion
- using and writing functions
- working with files and directories
- using external libraries, especially those developed for text analysis
- anatomy of a computer program
- calling scripts in a command line environment
- documentation and error handling

Initial competences
Basic computer skills

Final competences
1 Having general knowledge about how computer programs work
2 Having the practical knowledge and skills to develop simple computer programs
3 Capacity to break down an assignment into smaller subtasks
4 Ability to find and correct bugs in code

Conditions for credit contract
This course unit cannot be taken via a credit contract

(Course size: (nominal values; actual values may depend on programme)
Credits 5.0 Study time 150 h Contact hrs 45.0 h)

(Approved)
Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Self-reliant study activities, seminar: practical PC room classes

Learning materials and price

Handouts and materials for download on Minerva.
Students should have a laptop and bring it with them to the class.

References


Course content-related study coaching

Discussion forum on Minerva
Possibility to contact lecturers via e-mail

Evaluation methods

continuous assessment

Examination methods in case of periodic evaluation during the first examination period

Examination methods in case of periodic evaluation during the second examination period

Examination methods in case of permanent evaluation

Assignment

Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible

Extra information on the examination methods

Students must take at least 80% of the lessons, and also prepare the lessons thoroughly. If this is not the case, an additional evaluation (40%) can be imposed on them, in addition to the assignment.

The assignment consists of a final project that the student defines in consultation with the teacher.

Second exam opportunity:
Assignment: same assignment; students submit a new, improved version.

Calculation of the examination mark

Assignment (100%) [see the exception as described in Details Evaluation]

Facilities for Working Students

Can be requested from the learning track counsellor

(Approved)