

Description of Course Unit

Course unit title	Computer Programming I
Course unit code	VW 191102
Type of course unit (compulsory, optional)	compulsory
Level of course unit (according to EQF: first cycle Bachelor, second cycle Master)	first cycle Bachelor
Year of study when the course unit is delivered (if applicable)	
Semester/trimester when the course unit is delivered	1
Number of ECTS credits allocated	3.2
Name of lecturer(s)	Wahyu Wibowo, Brodjol Setijo SU, Mochammad Reza Habibi
Learning outcomes of the course unit	<p>Students are:</p> <ul style="list-style-type: none"> - Able to explain and use primitive data types - Able to use input and output - Able to explain and use collection data structures - Able to use programming control structures - Able to understand and use appropriate looping for programming purposes - Able to define and use functions - Able to understand and apply OOP - Able to create simple computations program
Mode of delivery (face-to-face, distance learning)	Face to face
Prerequisites and co-requisites (if applicable)	-
Course content	<ol style="list-style-type: none"> 1. Variable and data type in python 2. Input and output in python 3. Data structure in python 4. Control statement in python 5. Looping in python 6. Function in python 7. Object-oriented programming in python 8. Auxiliry computational packages (numpy and pandas)
Recommended or required reading and other learning resources/tools	<ol style="list-style-type: none"> 1. Wibowo, W dkk, 2020, Belajar Pemrograman Bahasa Python, ITSpress 2. Schneider D I, 2016, An Introduction to Programming Using Python, Pearson Education
Planned learning activities and teaching methods	Technology-based learning and blended learning
Language of instruction	Indonesian Language
Assessment methods and criteria	Assignment and Final Project