

Course Descriptions Bachelor 2024-2025 DRAFT

Course Title	Python and Web Development							
Course Code	EBS2070							
ECTS Credits	4,0							
Assessment	Whole/Half Grades							
Period	Period	Start	End	Mon	Tue	Wed	Thu	Fri
	3	13-1-2025	26-1-2025	C				
Level	no level							
Coordinator	Rui Jorge De Almeida e Santos Nogueira For more information:rj.almeida@maastrichtuniversity.nl							
Language of instruction	English							
Goals	<ul style="list-style-type: none">* Students are able to explain and use basic concepts in programming, program using Object-Oriented paradigm, develop basic programs in Python and use Test-Driven-Development to construct a solution.* Students are able to use external libraries with Python, use web-development frameworks to deploy applications and dashboards in combination with Plotly and integrate REST APIs.* Students select appropriate programming techniques to design, test and implement basic algorithms in Python.* Students are able to create meaningful unit tests.* Students can explain the reasoning of the developed programs.* Students collaborate in teams of two to develop a solution.							
Description	<p>This skills period is a follow up of the (just) completed course on programming in Java. The purpose of this course is twofold: i) to learn Python as one of the most popular and used languages, and ii) to learn several useful techniques for web and app design. The course will be offered jointly by IDS and DAD.</p> <p>Formative assessment: Feedback by tutors and peers Summative assessment: Participation and assignment Instructional approach: Lectures and tutorials</p>							
Literature								
Prerequisites								
Keywords								
Teaching methods								
Assessment methods	Attendance / Participation / Assignment / Presentation							
Evaluation in previous academic year	For the complete evaluation of this course please click http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM							
This course belongs to the following programme / specialisation	Bachelor Business Analytics				Year 2 Compulsory Skill(s)			