Georg-August-Universität Göttingen		6 C
Module M.WIWI-QMW.0034: Python for Ec	2 WLH	
Learning outcome, core skills: The participants receive a well-founded introduction to the general and versatile programming language Python and learn how to use it focusing on data analysis in economics.		Workload: Attendance time: 28 h Self-study time: 152 h
Course: Python for Econometrics (Lecture) Contents: In recent years, Python has established itself alongsic programming languages. Very similar to the programm statistical representations from technical literature, suc be implemented compactly and easily in the programm scientific extensions. Following a concise introduction framework, the students learn how to design, implement analysis projects in an object-oriented way: 1. Introduction to Python and object orientation. 2. Numerical programming - compared to MATLAB 3. Data formats, handling, exports and imports - file 4. Statistical analysis with applications in economic 5. Visual illustrations and presentation of scientific The participants get familiar with Python's way of think (scientific) programming problems with a state-of-the-	2 WLH	
Examination: Written examination (90 minutes)		6 C
<b>Examination requirements:</b> The participants are expected to answer question sets about the programming language Python, about data analysis with Python and to demonstrate their knowledge on the basis of practical tasks.		
Admission requirements: none	Recommended previous knowle Scientific Programming, Statistical R or equivalent.	<b>dge:</b> Programming with
Language: English	Person responsible for module: Prof. Dr. Helmut Herwartz	
Course frequency: each semester	Duration:   er 1 semester[s]	
Number of repeat examinations permitted:	Recommended semester:	

2 - 3

twice

Maximum number of students:	
not limited	