


Effective Programming Practices for Economists				 universität bonn	
Module Number	Workload 225 h	Credits 7,5 CP	Duration 1 Term	Cycle yearly; summer term	
Responsible Faculty Member	Prof. Dr. Hans-Martin von Gaudecker				
Institute	Department of Economics				
Degree Program/ Study Field	Title		Character	Study Term	
	Master of Science Economics Study Fields: Management and Applied Microeconomics <i>or</i> Econometrics and Statistics		Advanced Module	2nd or 4th	
Learning Outcomes	Acquire the programming and software development skills required to manage complex research projects and to make the results reproducible				
Key Skills	Programming, software development				
Learning Content	This course introduces students to software development methods that will substantially reduce their time spent programming while at the same time making their programs more dependable and their results reproducible without extra effort. The course draws extensively on some simple techniques that are the backbone of modern software development, which most economists are simply not aware of. It shows the usefulness of these techniques for a wide variety of economic and econometric applications by means of hands on examples.				
Prerequisites for attending	Basic Module "Microeconomics"				
Course Type	Lecture, Seminar, etc.		Contact time	Workload [h]	
	lecture and tutorial		4 hrs per week	(c) 60 (s) 165	
Examination(s)	Type of Examination		Grades		
	written or oral exam		yes		
Special Course Achievements	Own economic programming project				
Other					

(c) contact time per term / (s) self study per term

February 2015