


Effective Programming Practices for Economists				 universität <b>bonn</b>	
<b>Module Number</b> 332123026	<b>Workload</b> 225 h	<b>Credits</b> 7,5 CP	<b>Duration</b> 1 Term	<b>Cycle</b> yearly; winter semester	
<b>Responsible Faculty Member</b>	Prof. Dr. Hans-Martin von Gaudecker				
<b>Institute</b>	Department of Economics				
<b>Degree Program/ Study Field</b>	<b>Title</b>		<b>Character</b>	<b>Study Term</b>	
	Master of Science Economics Study Fields: Management and Applied Microeconomics <i>or</i> Econometrics and Statistics		Advanced Module	3rd	
<b>Learning Outcomes</b>	Acquire the programming and software development skills required to manage complex research projects and to make the results reproducible				
<b>Key Skills</b>	Programming, software development				
<b>Learning Content</b>	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.				
<b>Prerequisites for attending</b>	none				
<b>Course Type</b>	<b>Lecture, Seminar, etc.</b>		<b>Contact time</b>	<b>Workload [h]</b>	
	lecture and tutorial		4 hrs per week	(c) 60 (s) 165	
<b>Examination(s)</b>	<b>Type of Examination</b>		<b>Grades</b>		
	written or oral exam		yes		
<b>Special Course Achievements</b>	Own economic programming project				
<b>Other</b>					

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

October 2016