

# Effective Programming Practices for Economists

332123026/MA ECON AM ECS EFFPROPE



## Content and learning outcomes

<b>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>Learning outcomes</b>	Students acquire the programming and software development skills required to manage complex research projects and to make the results reproducible.

## Teaching and learning methods

Type of course/learning methods	Topic	Language of instruction	Group size	Contact time	Workload [h]
Lecture	Effective Programming Practices for Economists	English	open	4 hours	60
Self-study					165

## Prerequisites

<b>obligatory</b>	none
<b>recommended</b>	Basic Module <i>Econometrics</i>

## Degree program allocation

Study Program	obligatory/ elective	Semester
Master of Science Economics Study Fields: Econometrics and Statistics, Management and Applied Microeconomics, Economic Research	elective	2nd or 4th
Master of Science Mathematics	elective	2nd or 4th

## Requirements for the awarding of credit points (ECTS)

	Credits
<b>Prerequisites for participation</b>	7,5 CP
<b>Types of Assessment (graded, incl. weighting factor)</b> <b>Examination language</b>	
none	
Written or oral exam or term paper (graded, 100%) - English	

Course Cycle	Workload	Duration
Winter term <input type="checkbox"/> Winter and Summer term <input checked="" type="checkbox"/> Summer term <input type="checkbox"/>	225 h	1 Term

## Module coordination

<b>Teaching person</b>	See <a href="https://basis.uni-bonn.de">https://basis.uni-bonn.de</a>
<b>Module coordinator</b>	Prof. Dr. Alois Kneip
<b>Institute/Department</b>	Department of Economics

## Further Information

<b>(Reading lists, information links etc.)</b>	
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