

Effective Programming Practices for Economists

MA ECON AM ECS EFFPROPE



Content and learning outcome

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.

Learning outcome 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	30	4 hours	60
Self-study					165

Prerequisites

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

Degree program allocation

Study Program/Study Field/Module Number/Lecture Number	obligatory/ elective	Semester
Economics (M.Sc.)/Econometrics and Statistics, Management and Applied Microeconomics, Economic Research/32123026/332023026	elective	2 nd
Export*/332192326/332023026		

Requirements for the awarding of credit points (ECTS)

Requirements for the awarding of credit points (ECTS)		Credits
Prerequisites for participation	none	7,5 CP
Types of Assessment Examination language	Written or oral exam or term paper (graded, 100%) - English	

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

Module coordination

Teaching person	See https://basis.uni-bonn.de
Module coordinator	Prof. Dr. Alois Kneip
Institute/Department	Department of Economics

Further Information

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* export into other study programs is only possible if contract between faculties exists