Georg-August-Universität Göttingen **Module: Data Analysis with R in Agricultural Economics**	6 C

Learning outcome, core skills: Students learn • the basic functionality of the statistical software package R • how to retrieve, manage and analyze datasets • an independent and autonomous usage of online resources (e.g. packages, support, R-literature) with regard to topics in agricultural economics. The course aims at providing a tool-set for the successful completion of final thesis with quantitative focus.	**Workload:** Attendance time: 55 h Self-study time: 125 h

Course: Data Analysis with R in Agricultural Economics (blocked lecture and exercises) The course is split into two main components: The first one is mainly concerned with R programming while the second part deals with applied analysis of datasets connected to agricultural economics: **1. Programming in R:** Introduction and basic functionalities, data management, data visualization, coding styles, functions and programming, dynamic report generation **2. Applied Data Analysis:** data sources in agricultural economics and related API packages, application of selected econometric techniques	
Examination: Term paper (12-15 pages) **Examination prerequisites:** none **Examination requirements:** Students proof that they are capable of • finding relevant data, manage and manipulate datasets • applying an appropriate econometric or statistical method and create a corresponding code which is comprehensive and clean • interpreting data and results through the use of graphical tools. The produced code has to handed in along with the paper and will also be subject to the evaluation.	

Admission requirements: Econometrics I (*M.WIWI-QMW.004*) or equivalent	**Recommended previous knowledge:** Basic econometric techniques
Language: English	**Person responsible for module:** Prof. Dr. Bernhard Brümmer
Course frequency: each summer semester	**Duration:** 1 Semester
Number of repeat examinations permitted: twice	**Recommended semester:**
Maximum number of students: 15	