



UNIVERSITY of VAASA

Econometrics 1

STAT2020 (5 ects)

SYLLABUS

Autumn 2012



UNIVERSITY of VAASA

Econometrics 1

- **Organizer:** Department of Mathematics and Statistics
- **Code:** STAT2020
- **Credit units:** 5 ect
- **Contents:** Nature of econometrics and econometric data, simple regression model, multiple regression analysis, regression with qualitative information, heteroscedasticity, time series regression
- **Learning outcomes:** The student knows the basics of empirical econometric research methods and approaches including the types of econometric data, roles of variables, economic and econometric modelling, estimation, statistical inference, interpretation of estimation results, model checking and model evaluation and the use of econometric models in practice.
- **Teaching:**
40h lectures and 12h exercises.
- **Assessment:** Exam.
- **Literature:** Wooldridge, Jeffrey M., Introductory Econometrics: A Modern Approach, 2.-4.ed., Thompson, South-West, Chapters 1-12.
- **Software:** Eviews.
- **Prerequisites:** Elementary statistics, covering basic concepts of statistical inference (estimation and hypothesis testing), basic mathematics including working knowledge in basic matrix algebra, differentiation, integration, solving elementary differential equations, elasticity concept and continuously compounded interest rate calculus.
- **Rating:** 1-5, fail
- **Contact person:** Bernd Pape
- **Right to participate:** no restrictions.



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On the Proper Code of Conduct in the Exams:

1. Absolutely no discussion between the examinees any time while in the exam, whatever the subject, cause or urgency. Simply, do not talk even a single word while you are seated.
2. No showing your answers to others, nor looking at your neighbor's. Concentrate strictly on your own exam and answers only.
3. No lending of any writing or other material (nor sharing sweets, snacks, notes, nor anything else) between the examinees. For example, if your pencil breaks or you have lost your eraser, you do not borrow a spare from another student. Raise your hand to ask the supervisor for help.
4. If a non-programmable calculator is allowed in the exam, do not pass it on to anyone else. If there is a problem, raise your hand and consult the supervisor.
5. You may not have any extra material with you when seated. Even if you do not use or intend to use it. Especially, you should not have a cellular phone or any other means of communication or data storage on you.

A zero-tolerance policy is in effect. Breaches will lead to consequences.