

Advanced Macroeconomics

Winter 2010/11

Prof. Dr. Jürgen Bitzer

Course Meeting Time and Place:

Lecture: Mo., 14:00 – 16:00 in A14 1-113

Exercise: Di., 14:00 - 16:00 in A05 0-056

Starts: 25. October 2010 Ends: 8. February 2011

Content

The content of the course is pretty well described by Romer in the introduction to his book ‘Advanced Macroeconomics’: “Macroeconomics is the study of the economy as a whole. It is therefore concerned with some of the most important questions in economics. Why are some countries rich and others poor? Why do countries grow? What are the sources of recessions and booms? Why is there unemployment, and what determines its extent? What are the sources of inflation? How do government policies affect output, unemployment, inflation, and growth? These and related questions are the subject of macroeconomics.

This book is an introduction to the study of macroeconomics at an advanced level. It presents the major theories concerning the central questions of macroeconomics. Its goal is to provide both an of the field for students who will not continue in macroeconomics and a starting point for students who will go on to more advanced courses and research in macroeconomics and monetary economics.”

Structure of the course and prerequisites

The structure of the course follows the book of David Romer (2006). The course deals with advanced theoretical models which requires a sound knowledge of mathematics. Those who lack this knowledges should participate in the course “Techniken der volkswirtschaftlichen Analyse”.

Grading

Grade will be based on the final exam (120 minutes).

Literature

Romer, David (2006): *Advanced Macroeconomics*, 3rd. edition, Mc-Graw Hill: Irwin.

Additional literature on the topic

Sørensen, P. B. and H. J. Whitta-Jacobsen (2010): *Introducing Advanced Macroeconomics: Growth and Business Cycles*, 2nd edition, McGraw-Hill: London.

Mankiw, G., A Quick Refresher Course in Macroeconomics, *Journal of Economic Literature*, Vol. XXVIII, 1990, 1645-1660.

Literature on the mathematical background

Chiang, Alpha C. and Kevin Wainwright (2005): *Fundamental Methods of Mathematical Economics*, 4th edition, McGraw-Hill: New York.

Sydsaeter, Knut, Peter Hammond, Atle Seierstand, and Arne Strom (2008): *Further Mathematics for Economic Analysis*, 2nd edition, Prentice Hall: Harlow.

Sydsaeter, Knut and Peter Hammond (2008): *Essential Mathematics for Economic Analysis*, 3rd edition, Prentice Hall: Harlow. (Oder die deutsche Fassung “Mathematik für Wirtschaftswissenschaftler”, 3. Auflage, erschienen 2008 bei Pearson Studium.)

Tietze, Jürgen (2009): *Einführung in die angewandte Wirtschaftsmathematik*, 15. Auflage, Vieweg: Wiesbaden.