



JÖNKÖPING UNIVERSITY
International Business School

Dear Master student,

I would like to take this opportunity to welcome you to the two-year Master program in Economics, *Economic Analysis* provide you with some initial information regarding your first two courses and make sure that your time at Jönköping International Business School (JIBS) is both enjoyable and productive. I am very happy that you choose this program and I can assure you that I, together with my colleagues, will make our most to give you a great program and experience here at JIBS.

The program aims to build students core competencies to work with economic issues at various spatial levels; international, inter-regional, and local. The education prepares students for positions demanding specialized analytical and methodological skills in economics. As a result, you as a graduate will have the skills to work closely with the decisions of the various companies / organizations. You will be able to process, analyze data, and pass on these results to your colleagues and managers. These skills are important both in the private sector and in the public sector. After completing the program, you will thus be well prepared for positions requiring practical and scientific knowledge and the ability to use of this knowledge in new models and methods.

The program starts up on Monday, August 21, with a formal roll call.

I – Mikaela Backman – as program director is responsible for the overall coordination of all program courses, ensuring high program quality and also speaking partners for you, the student, and of course the staff. You are more than welcome to get in touch with me with questions regarding the program at any time. Questions regarding the courses should be sent directly to course examiners.



Mikaela Backman

Assistant Professor in Economics
Program Director, Economic Analysis, JIBS
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In the meantime, let's give you a short description of the first two courses and the staff involved:

Microeconomic Foundations of Economic and Financial Analysis

The Course provides an introduction to the economic analysis of the behaviour of economic agents and institutions. The main topics covered are:

- The methodology of economic analysis.
- Formal representations of the behaviour of consumers and firms.
- Investment decisions.
- Games and strategic behaviour.
- Competitive market analysis.
- Analysis of oligopolistic markets and markets with asymmetric information.
- Contracts and their incentive properties.

The coverage of the analytical tools enables the students to immediately apply such tools to concrete problems, and provides the foundations for further studies in Economics and in Finance.

Course literature:

R. Preston McAfee, Introduction to Economic Analysis. Flat World Knowledge, latest edition

Handouts posted in the web-page of the Course.

The examiner and core teacher is Associate Professor Agostino Manduchi:



agostino.manduchi@ju.se

More information about the course can be found at:

<http://ju.se/en/study-at-ju/courses.html?courseCode=JMFR27&semester=20172&revision=1,000&lang=en&lang=en>

Mathematical Methods for Economic and Financial Analysis:

Students in this course are presented with mathematical tools for economic and financial analysis, including matrix algebra and dynamic mathematical systems. It also focuses on mathematical concepts useful for economics- or finance-focused statistics courses at the master's level or above. The contents of this course include:

- Set theory and functions.
- Matrix algebra: addition, multiplication, and inversion of matrices, eigenvalues.
- Constrained optimisation with inequality constraints.
- The envelope theorem.
- Difference equations.
- Differential equations.

Course book:

Chiang, Alpha C. and Wainwright, Kevin C. (2005) *Fundamental Methods of Mathematical Economics* 4th edition, McGraw Hill [ISBN: 007-123823-9], or later edition.

Supplementary material may be used

The examiner and core teacher is Professor Scott Hacker:



scott.hacker@ju.se

More information about the course can be found at:

<http://ju.se/en/study-at-ju/courses.html?courseCode=ECTR23&semester=20172&revision=2,000&lang=en&lang=en>

We look forward to see you in August!

Mikaela and the teaching team of *Economic Analysis*