



APPLIES TO ACADEMIC YEAR 2016/2017

FORK 1003 Preparatory course for MSc in Business

Programme

Master of Science in Business, Master of Science in Finance, Preparatory Course - Master

Responsible for the course

Eivind Eriksen

Department

Department of Economics

Term

According to study plan

ECTS Credits

0

Language of instruction

English

Introduction

The students are given a brief overview over key topics in mathematics, micro, macro, and econometrics. This overview is meant to assist the students in the transfer from Bachelor-level to Master-level.

Learning outcome

BI Norwegian Business School wants to ensure that all students who want to take the Master's part of the Programme in Business and Economics have previous knowledge at the same level in mathematics, economics and method. Consequently, this intensive preparatory course that covers topics in the set of courses including mathematics, economics and econometrics is recommended for students who have not documented this knowledge in their bachelor's degree.

Prerequisites

All courses in the Masters programme will assume that students have fulfilled the admission requirements for the programme. In addition, courses in second, third and/or fourth semester can have specific prerequisites and will assume that students have followed normal study progression. For double degree and exchange students, please note that equivalent courses are accepted.

Compulsory reading

Books:

Pindyck, Robert S., Daniel L. Rubinfeld. 2013. Microeconomics. 8th ed. Pearson
Simon, Carl P. and Lawrence Blume. 1994. Mathematics for economists. International student ed. Norton
Stock, James H., Mark W. Watson. 2014. Introduction to econometrics. Updated 3rd ed., Global ed. Pearson.
Kapittel 1, 4, 5, 6, 7, 12

Book extract:

Gärtner, Manfred. 2013. Macroeconomics. 4th ed. Pearson. Chapter 9 and 14

Recommended reading

Course outline

The main topics are:

- mathematics
- econometrics (regression analysis, instrumental variable methods),
- economics (examples of possible topics are: consumer theory including preferences and demand functions, theory of the firm including cost concepts and supply, market theory and market forms including duopoly, market failure, welfare theorems, externalities, natural monopolies, dead weight, main concepts of game theory, Solow growth model)

During the course students will be presented with assignments and exercises.

Computer-based tools

Not applicable

Learning process and workload

Mathematics (18 hours) - Mathematics should be taught first, as the other topics will use results from mathematics.
Econometrics (12 hours)
Economics (15 hours)

Examination

Form of assessment	Weight	Group size
Not applicable		

Examination code(s)

Not applicable

Examination support materials

Re-sit examination

Not applicable

Additional information

Honour code. Academic honesty and trust are important to all of us as individuals, and are values that are integral to BI's honour code system. Students are responsible for familiarising themselves with the honour code system, to which the faculty is deeply committed. Any violation of the honour code will be dealt with in accordance with BI's procedures for academic misconduct. Issues of academic integrity are taken seriously by everyone associated with the programmes at BI and are at the heart of the honour code. If you have any questions about your responsibilities under the honour code, please ask. The learning platform itslearning is used in the teaching of all courses at BI. All students are expected to make use of itslearning.