



APPLIES TO ACADEMIC YEAR 2014/2015

FORK 1005 Preparatory course in Mathematics, MSc

Programme

Master of Science in Leadership and Organizational Psychology, Master of Science in Strategic Marketing Management, 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

Economic analysis is based on mathematical concepts and tools like functions and optimization. This intensive course is designed to enhance the mathematical knowledge of course participants in areas which are particularly relevant for the study of economics and administrative science.

The course is designed for students in the following programmes:

MSc in Leadership and Organizational Psychology

MSc in Strategic Marketing Management

MSc in International Management - last intake autumn 2013

MSc in Innovation and Entrepreneurship - last intake autumn 2013

MSc in Political Economy - has been discontinued

Learning outcome

To provide the basic mathematical tools for economic analysis to students who need to refresh their mathematical skills.

Prerequisites

Admission to a MSc programme at BI Norwegian Business School

Compulsory reading

Books:

Sydsæter, Knut and Peter Hammond. 2012. Essential mathematics for economic analysis. 4th ed. Pearson Education. Selected chapters

Recommended reading

Course outline

The course will highlight the following topics:

- Introductory topics. Sums and sum notation.
- Functions of one variable
- Differentiation
- Integration
- Functions of several variables
- Linear algebra
- Optimization and constrained optimization

Computer-based tools

It's Learning. Mathematical software may be used during lectures for illustration purposes.

Learning process and workload

There will be 21 teaching hours in the course.

Examination

Not applicable

Examination code(s)

Not applicable

Examination support materials

Not applicable

Re-sit examination

Not applicable

Additional information**Honour Code**

Academic honesty and trust are important to all of us as individuals, and represent values that are encouraged and promoted by the honor code system. This is a most significant university tradition. Students are responsible for familiarizing themselves with the ideals of the honor code system, to which the faculty are also deeply committed.

Any violation of the honor code will be dealt with in accordance with BI's procedures for cheating. These issues are a serious matter to everyone associated with the programs at BI and are at the heart of the honor code and academic integrity. If you have any questions about your responsibilities under the honor code, please ask.