APPLIES TO ACADEMIC YEAR 2015/2016

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

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 spesific 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:
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
Not applicable

Learning process and workload
There will be 21 teaching hours in the course.

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 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.