



APPLIES TO ACADEMIC YEAR 2009/2010

## **MET 2214 Mathematics elective**

### **Programme**

Bachelor of Science in Business (3. year).

### **Responsible for the course**

### **Department**

Department of Economics

### **Term**

According to study plan

### **ECTS Credits**

6

### **Language of instruction**

Norwegian

### **Introduction**

### **Objective**

This course is primarily for students who choose to specialize in finance or economics.

The course will also be useful for students who plan to do empirical studies involving multivariate statistics.

### **Prerequisites**

The subjects of first year mathematics and statistics are assumed well known

### **Compulsory reading**

#### **Books:**

Bjørnstad, Harald ... [et al.]. 2007. Matematikk for økonomi og samfunnsfag. 7. utg. Kristiansand : Høyskoleforlaget

Ross, Sheldon M. 2007. Introduction to probability models. 9th ed. Amsterdam : Elsevier. Kap 1, Kap 2 og utvalgte deler fra Kap 3.

#### **Other:**

Litteraturen vil bli supplert med handouts

### **Recommended reading**

#### **Course outline**

- Probabilitydistributions
- Differentialequations
- Economic optimization
- Linear Algebra

### **Computer-based tools**

### **Course structure**

36 hours lectures

### **Examination**

A five-hour individual written exam at the end of the course.

### **Exam code(s)**

Met 22141 - Written exam, count 100% of grade in Met 2214 , Mathematics elective, 6 points

### **Examination support materials**

All aids + calculator TEXAS INSTRUMENTS BA II Plus™ are allowed.

Exam aids at written examinations are explained under exam information in our web-based Student handbook. Please note use of calculator and dictionary.  
<http://www.bi.edu/studenthandbook/examaids>

**Re-sit examination**

Make- up exams are arranged at next ordinary exam in this course.

**Additional information**

Due to changes in our Bachelor Programmes from autumn 2009, there also will be changes in every single course.

This course will be lectured for the last time spring 2011. Then re-sit exam will be offered every term even spring 2013.