

## **SYLLABUS FOR MATHEMATICAL METHODS I**

*5 credits*

Education cycle: Third cycle

Established: 2020-06-01

Established by: Head of department

Applied from: Fall term 2020

### **Learning outcomes**

After completing the course, the student is expected to master mathematical tools that are required for third-cycle studies in microeconomics, macroeconomics and econometrics.

### **Content**

The course covers the following topics: linear algebra, topology, calculus and static optimization.

### **Instruction**

The course consists of lectures and TA sessions.

### **Assessment**

The course is concluded by a written exam.

### **Literature**

Blume, L.E. and Simon, C.P. (2010). Mathematics for Economists. WW Norton & Co.