

EBA 2910 MATHEMATICS FOR BUSINESS ANALYTICS

Eivind Eriksen

About the course

Core course B.Sc. in Business analytics
Lecturer Runar Ile (autumn)
Eivind Eriksen (spring)

Course content

Main topics:

Autumn semester

- Basic algebra
- Financial mathematics
- Equations and inequities
- Functions and graphs
- Derivatives and applications

Spring semester

- Integration
- Vectors, matrices and linear algebra
- Functions in several variables
- Optimization problems

Teaching

Lectures 3h per week
Exercise sessions 2h per week

Reading

Sydsæther, Hammond Essential Mathematics
for Economic Analysis

Other course material

<https://www.dr-eriksen.no/teaching/EBA2910/>
Weekly problem sets for exercise sessions

Exams

Course papers (October, March) - home exam (pass/fail)
Multiple choice exam (December) - 3h exam (20%)
Final exam (May/June) - 5h written exam (80%)