

Course Descriptions None 2022-2023

Course Title Linear Algebra

Course Code EBC1008

ECTS Credits 6,5

Assessment Whole/Half Grades

Period	Start	End	Mon	Tue	Wed	Thu	Fri
1	5-9-2022	21-10-2022	L		X		
2	31-10-2022	16-12-2022	L		X		

Level Introductory

Coordinator Jan Christopher Kops For more information:j.kops@maastrichtuniversity.nl

Language of instruction English

Goals Learn the concepts and techniques in the field of linear algebra that are prerequisite for 'probability theory', '(applied) statistics', 'mathematical economics' and 'operations research'.
Obtain the right attitude with respect to (abstract) mathematics.
Learn to write down a correct mathematical reasoning .
Learn to give (simple) proofs.

Description PLEASE NOTE THAT THE INFORMATION ABOUT THE TEACHING AND ASSESSMENT METHOD(S) USED IN THIS COURSE IS WITH RESERVATION. A RE-EMERGENCE OF THE CORONAVIRUS AND NEW COUNTERMEASURES BY THE DUTCH GOVERNMENT MIGHT FORCE COORDINATORS TO CHANGE THE TEACHING AND ASSESSMENT METHODS USED. THE MOST UP-TO-DATE INFORMATION ABOUT THE TEACHING/ASSESSMENT METHOD(S) WILL BE AVAILABLE IN THE COURSE SYLLABUS.

Operations with vectors and matrices, systems of linear equations, vector spaces, eigenvalues, linear mappings and geometry with vectors.

Literature Syllabus.

Prerequisites

- Perform basic arithmetic operations and simplify algebraic expressions.
- Perform basic arithmetic operations with fractions.
- Solve simple (in)equalities.

Teaching methods Lecture / Assignment

Assessment methods Participation / Written Exam

Evaluation in previous academic year For the complete evaluation of this course please click <http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM>

This course belongs to the following programme / specialisation

Bachelor Econometrics and Operations Research Year 1 Compulsory Course(s)