Mathématique : complément d'analyse et algèbre linéaire

Lecturers
Denis BONHEURE (Coordinator) and Nathan UYTTENDAELE

Course mnemonic
MATH-S1022

ECTS credits
5 credits

Language(s) of instruction
French

Course period
Second term

Campus
Solbosch

Course content

Integrals, complex numbers, differential equations, vectorial spaces, matrix computations, linear systems, linear maps, eigenvectors, eigenvalues and diagonalization

Objectives (and/or specific learning outcomes)

After the end of the course, students will be able to:

- identify the methods that can solve a given mathematical problem
- use mathematical tools to think in a logical way
- solve complex problems and showing creativity

Pre-requisits and co-requisits

Course having this one as pre-requisit

MATH-S202 | Mathématiques : séries et fonctions à plusieurs variables | 5 crédits

Teaching method and learning activities

Theoretical lessons

Exercise sessions

References, bibliography and recommended reading

No specific readings are recommended. Further references are provided in the course notes.

Course notes

Syllabus and Université virtuelle

Other information

Place(s) of teaching

Solbosch

Contact(s)

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Evaluation method(s)

written examination

Evaluation method(s) (additional information)

A written exam is organized in May/June, then another one is organized in August/September (these exams will take place on campus, unless sanitary conditions lead to changes in the organization of the evaluations)

Determination of the mark (including the weighting of partial marks)

The grade for the première session is the one obtained at the exam in May/June. If the credit for the course is not obtained in the première session, then the exam in August/September must be taken. The grade for the seconde session is the one obtained at this second exam.

Main language(s) of evaluation

French

Programmes

Programmes proposing this course at the Solvay Brussels School of Economics and Management

BA-INGE | Bachelor in Business engineering | unit 1