

COURSE DETAIL

ALGORITHMS 1: ARITHMETIC AND POLYNOMES

Country

France

Host Institution

University of Bordeaux

Program(s)

University of Bordeaux

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

109

UCEAP Course Suffix**UCEAP Official Title**

ALGORITHMS 1: ARITHMETIC AND POLYNOMES

UCEAP Transcript Title

ALGORITHMS 1

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The course focuses on key algebraic structures including ring and polynomial theory, with a strong emphasis on mathematical proofs and applications of algorithms including Euclid's, Lagrange interpolation, RSA cryptography, and the Fast Fourier Transform.

Language(s) of Instruction

French

Host Institution Course Number

4TTI506U

Host Institution Course Title

ALGORITHMIQUE ALGÈBRIQUE 1: ARITHMÉTIQUE ET POLYNÔMES

Host Institution Course Details

Host Institution Campus

UNIVERSITÉ DE BORDEAUX

Host Institution Faculty

Collège des Sciences et Techniques

Host Institution Degree

Host Institution Department

Mathématiques

Course Last Reviewed

2024-2025

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