

COURSE DETAIL

ALGEBRA

Country

United Kingdom - England

Host Institution

University of East Anglia

Program(s)

Environment and Sustainability, East Anglia

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

132

UCEAP Course Suffix**UCEAP Official Title**

ALGEBRA

UCEAP Transcript Title

ALGEBRA

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course explores basic concepts and examples of Group theory. Topics include cosets, Lagrange's theorem, normal subgroups and quotient groups, first isomorphism theorem, quotient spaces in linear algebra, rings, elementary properties and examples of commutative rings, ideals, quotient rings, polynomial rings and construction of finite fields, unique factorization in rings, and applications in linear algebra.

Language(s) of Instruction

English

Host Institution Course Number

MTHA5003Y

Host Institution Course Title

ALGEBRA

Host Institution Campus

University of East Anglia

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Mathematics

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