

# Algebraic Structures II

This is a second module in algebraic structures, covering group theory. There will be abstract thinking and proofs but also an emphasis on examples. The module includes the basics of group actions, finite  $p$ -groups, Sylow theorems and their applications, and the Jordan-Hölder theorem. Some of the ideas in group theory are parallel to those first encountered for rings in Algebraic Structures I.

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View Online



Cameron, Peter J. Introduction to Algebra. 2nd ed, vol. Oxford mathematics, Oxford University Press, 2008,  
<http://ezproxy.library.qmul.ac.uk/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=QMUL&isbn=9780191566226&uid=^u>.

Ledermann, Walter and Weir, Alan J. Introduction to Group Theory. 2nd ed, vol. Longman mathematics series, Longman, 1996.