

# 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. (2008). Introduction to algebra: Vol. Oxford mathematics (2nd ed). Oxford University Press.

<http://ezproxy.library.qmul.ac.uk/login?url=http://www.vlebooks.com/vleweb/product/openreader?id=QMUL&isbn=9780191566226&uid=^u>

Ledermann, Walter & Weir, Alan J. (1996). Introduction to group theory: Vol. Longman mathematics series (2nd ed). Longman.