

# 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



[1]

Cameron, Peter J. 2008. Introduction to algebra. Oxford University Press.

[2]

Ledermann, Walter and Weir, Alan J. 1996. Introduction to group theory. Longman.