

# 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. Introduction to algebra. vol. Oxford mathematics (Oxford University Press, 2008).

2.

Ledermann, Walter & Weir, Alan J. Introduction to group theory. vol. Longman mathematics series (Longman, 1996).