

# Algebraic Structures II

View Online



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.

---

[1]

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

[2]

Ledermann, Walter and Weir, Alan J., Introduction to group theory, 2nd ed., vol. Longman mathematics series. Harlow: Longman, 1996.