

## Recommended Books

### BSc and MSci Chemistry and Chemical Physics Students

You will need to use text books to support your studies and lecturers will expect you to read around the subject. Text books also contain useful worked examples and exercises. Limited numbers of recommended text books are held in the Library but they are in constant demand, and you will find that you are able to study more effectively if you purchase your own copies. Details are given for the most recent editions of these books, but you may be able to obtain an older copy second hand. These would be perfectly acceptable too. There are also many other very good text books by other authors that would also be appropriate. In addition to these essential text books, lecturers will refer to other texts for specific parts of their courses and these will be available in the departmental library.

All of these text books should be easily available, either from a local bookshop or online if you want to buy your books before you arrive. We have also arranged a special offer with Oxford University Press, who publish many of the chemistry texts that we recommend, so that our local bookshops should be able to offer a bundle of books at a discounted rate. A leaflet explaining how to order at the discount price is enclosed.

For your **Chemistry** units, we shall expect you to have a text book to cover each of the main branches of the subject. We therefore recommend that you have a personal copy of the following books:

- Atkins' Physical Chemistry, 10<sup>th</sup> Edition, PW Atkins and J de Paula, Oxford University Press 2014 (ISBN 978-0-19-969740-3)
- Organic Chemistry, 2nd Edition, J Clayden, N Greeves, S Warren, Oxford University Press 2012 (ISBN 978-0-19-927029-3)
- Inorganic Chemistry, 6th Edition, M Weller, T Overton, J Rourke, and F Armstrong, Oxford University Press 2014 (ISBN 978-0-19-964182-6)  
[5th Edition title: Shriver and Atkins' Inorganic Chemistry]

There are two text books that we recommend for our first-year Mathematical Skills for Chemistry unit:

- The Chemistry Maths Book, 2nd Edition, E Steiner, Oxford University Press 2008 (ISBN 978-0-19-920535-6) or
- Mathematics for Chemistry, 2<sup>nd</sup> Edition, P Monk and LJ Munro, Oxford University Press 2010 (ISBN 978-0-19-954129-4)

*The Chemistry Maths Book* is recommended for students who are already confident in the use of maths, and so would suit those who are taking both Maths and Further Maths at A level, or Higher Level Maths for International Baccalaureate. *Mathematics for Chemistry* takes a rather more gentle approach, and is better for those students who are starting from a slightly lower level. There is no need to buy both (although it will do you no harm at all to do so) as we do have copies in our departmental library.

**Chemical Physics students** will also be expected to have (in addition to the above books) a copy of: Physics for Scientists and Engineers, 6<sup>th</sup> Edition, PA Tipler, GP Mosca, Freeman 2008 (ISBN 978-1-42-920265-7).

In your first year, you will also take a Maths unit. We shall give you further advice on which books to use for this unit when you arrive, but you may find it helpful to have a copy of Mathematical Techniques: An Introduction for the Engineering, Physical, and Mathematical Sciences, 4<sup>th</sup> Edition, DW Jordan, P Smith, Oxford University Press 2008 (ISBN 978-0-19-928201-2)