

Reading List MOL320 Spring 2018

MOL320 is a practical course built around practical modules. For each of these, the following will be part of the syllabus.

- Lectures. Each experimental module will have one or more lectures associated with it, and *the content of these are part of the reading list*.
- Handouts. These focus on the theory behind each experiment as well as some practical consideration. They overlap to some extent with the lectures.
- Practical exercises. All the practical work is part of the “reading list”, as are all journals handed in during this course. This means, for instance, that you can be asked for experimental details during examination.

Supportive material

For those who like books rather than handouts, there is Foundations of Molecular Structure determination, Simon Duckett, Bruce Gilbert, Martin Cockett, 2nd edition, Oxford University Press. ISBN 978-0-19-968944-6. Many, but not all, of the fundamental concepts in MOL320 is covered by this book. Only **Chapter 1-4** is relevant for the course, and the book should be considered supportive material, rather than the core syllabus.

The MOL310 Textbook Arthur Lesk: Introduction to Protein Science covers fluorescence, denaturation/protein stability and NMR from a structural point of view to some extent. It also covers SPR with one whole paragraph (page 419).