

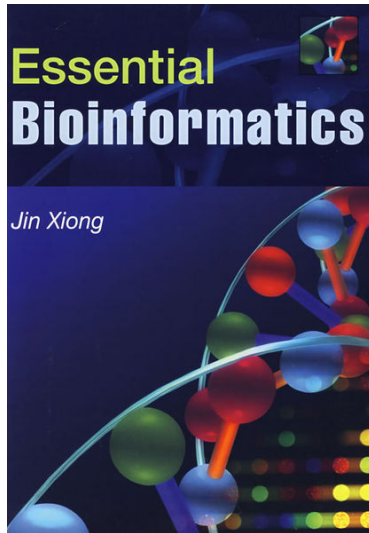
## Pensum for MOL204 H2018

*Forfatter:* Xiong, J.

*Tittel:* **Essential Bioinformatics**

(Cambridge University Press, 2006)

ISBN: 9780521840989 ([\[1\]](#))



Lecture plan	Book chapters
First gathering – Presentation of the course	Preface & Chapter 1
Lect.1 Introduction: Introduction to bioinformatics, terminology, basics of protein structure	1 & 12 (173-182)
Lect.2 Biological Databases	2
Lect.3 Pairwise sequence alignments (1)	3 (pp31-40)
Lect.4 Pairwise sequence alignments (2)	3 (pp41-50)
Lect.5 Database similarity searches	4
Lect.6 Multiple sequence alignment	5
Lect.7 Molecular Phylogenetics	10 & 11
Lect.8 Protein structure basics and structure-function relationship	12
Lect.9 Protein Structure Visualization, Comparison and Classification	13
Lect.10 Protein secondary structure prediction	14
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Lect.12 Protein tertiary structure prediction II	15
Lect.13 From Genomes to Genes	9