- We will continue with substitution and scoring matrices (especially the BLOSUM series, based on Chapter 5.1 of "Understanding Bioinformatics").We will start with "Indexing Techniques and Algorithmic Approximation" (Chapter 5.3 of "Understanding Bioinformatics"). We will discuss statistical significance of alignments (based on Chapter 5.4). We will start with Chapter 6.

- Mandatory additional reading: Mark P Styczynski; Kyle L Jensen, Isidore Rigoutsos, Gregory Stephanopoulos (2008). "BLOSUM62 miscalculations improve search performance". Nat. Biotech. 26: 274-275. doi:10.1038/nbt0308-274. http://www.nature.com/nbt/journal/v26/n3/full/nbt0308-274.html.