Literature

Lectures 1 & 2 (Markov chains, part 1 & 2):

- Marina Axelson-Fisk (2010), *Comparative Gene Finding: Models, Algorithms and Implementation*, Springer. Chapter 2, section 2.1.1 Markov chains (*not* continuous-time Markov chains). Available via Springer (from behind the VU-network): http://link.springer.com/book/10.1007%2F978-1-84996-104-2
- Warren J. Ewens, Gregory Grant (2005), *Statistical Methods in Bioinformatics: An Introduction*, Springer. Chapter 4, section 4.5 - 4.9. Available via Springer (from behind the VU-network): http://link.springer.com/book/10.1007/b137845

Lecture 3 (Phylogenetic trees):

- Substitution models: Warren J. Ewens, Gregory Grant (2005), *Statistical Methods in Bioinformatics: An Introduction*, Springer. Chapter 14, sections 14.1 and 14.2. Available via Springer (from behind the VU-network): http://link.springer.com/book/10.1007/b137845
- Likelihood & estimation: Warren J. Ewens, Gregory Grant (2005), *Statistical Methods in Bioinformatics: An Introduction*, Springer. Chapter 15, sections 15.1 and 15.7. Available via Springer (from behind the VU-network): http://link.springer.com/book/10.1007/b137845

Lecture 4 (Hidden Markov models):

- Marina Axelson-Fisk (2010), *Comparative Gene Finding: Models, Algorithms and Implementation*, Springer. Chapter 2, sections 2.1.2, 2.1.3, 2.1.4, 2.1.5, and 2.1.6. Available via Springer (from behind the VU-network): http://link.springer.com/book/10.1007%2F978-1-84996-104-2
- Warren J. Ewens, Gregory Grant (2005), *Statistical Methods in Bioinformatics: An Introduction*, Springer. Chapter 12. Available via Springer (from behind the VU-network): http://link.springer.com/book/10.1007/b137845

Lectures 5, 6 & 7 (Network reconstruction):

- Preliminary lecture slides and notes. To be supplied via Black Board.