Lecture Topic	Estimated Hours[1]	Reading Assignment
First Steps in Computing: Course Overview	3	Lecture Slides, HTCS[2] Chapter 1
Using Bioinformatics Data Sources	3	Lecture Slides, BFD[3] Chapters 1-5
Mathematical Computing Models	3	Lecture Slides
High-level Programming: Basics	4	Lecture Slides, HTCS Chapter 1
High-level Programming: Flow Control	6	Lecture Slides, HTCS Chapter 1
High-level Programming: Container Objects	6	Lecture Slides, HTCS Chapter 1
High-level Programming: Files	4	Lecture Slides, HTCS Chapter 1
High-level Programming: BioPython	6	[BioPython Tutorial and Cookbook](#)

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[1] Hours include integrated hands-on work

[2] How to Think Like a Computer Scientist: Learning with Python

[3] Bioinformatics for Dummies