

Schedule for Current Topics in Digital Philology, SS 2014

<http://www.informatik.uni-leipzig.de/~graebe/stdplan/block.html#DH.CTDP>

Month	Semester Week	Class Dates	Topics	Readings/Resources
April	Week 1	April 7	Grand Overview Install Python	http://www.pyzo.org/
		April 8	Who are you? What are your interests? Github Let's Learn Python: IPython	http://chronicle.com/blogs/profhacker/tag/github101 http://try.github.io/levels/1/challenges/1 http://gitimmersion.com/ http://marklodato.github.io/visual-git-guide/index-en.html http://www.scholarslab.org/research-and-development/forking-fetching-pushing-pulling/ http://gitref.org/ http://excess.org/article/2008/07/ogre-git-tutorial/ http://git-scm.com/book https://education.github.com/
	Week 2	April 14	Regex	regular-expressions.info docs.python.org/3/library/re.html docs.python.org/3/howto/regex.html
		April 15	Web Scraping	lxml
	Week 3	April 21	Ostermontag: No class	
		April 22	Web Scraping	
	Week 4	April 28	HTTP Requests and APIs	<ul style="list-style-type: none"> • Requests Package <ul style="list-style-type: none"> ◦ Installation ◦ Quick Start
		April 29	Using the Perseus API	http://sites.tufts.edu/perseusupdates/beta-features/perseus-cts-api/ http://inlustre.net/2013/04/how-to-retrieve-ancient-text-data-from-perseus/
May	Week 5	May 5	Matrices: constructing	http://www.numpy.org/

			vectors and matrices	
		May 6	Semantic Information extraction - counting co-occurents	
	Week 6	May 12	Semantic Information extraction - statistical analysis	
		May 13	Semantic Drift - Comparing Words	
	Week 7	May 19	Semantic Drift - putting it all together	
		May 20	Word Sense Disambiguation - supervised	
	Week 8	May 26	Word Sense Disambiguation - supervised	
		May 27	Word Sense Induction - unsupervised	
June	Week 9	June 2	Word Sense Induction - unsupervised	
		June 3	Word Sense Induction – graph-based	
	Week 10	June 9	Pfingstmontag: No class	
		June 10	Word Sense Induction – graph-based	
	Week 11	June 16	Parallel Text Alignment	
		June 17	Parallel Text Alignment	
	Week 12	June 23	Dependency Trees	
		June 24	Perseus Dynamic Lexicon	David Bamman
July	Week 13	June 30	Perseus Dynamic Lexicon	

		July 1	Visualizing your results - 2D and 3D plots	http://matplotlib.org/
	Week 14	July 7	Presenting your results - Network visualization	http://networkx.github.io/
		July 8	in Lausanne (DH 2014)	
	Week 15	July 14	Project presentations	
		July 15	Project presentations	