

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 for Tokenization	regular-expressions.info docs.python.org/3/library/re.html docs.python.org/3/howto/regex.html
		April 15	Regex for conversion to Unicode	
	Week 3	April 21	Ostermontag: No class	
		April 22	Web Scraping	Beautiful Soup
	Week 4	April 28	Web Scraping	
		April 29	HTTP Requests and APIs	<ul style="list-style-type: none"> • Requests Package <ul style="list-style-type: none"> ◦ Installation ◦ Quick Start
May	Week 5	May 5	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 6	Matrices: constructing vectors and matrices	http://www.numpy.org/
	Week 6	May 12	Linear Algebra: working with vectors and matrices	
		May 13	Machine Learning - classification	http://scikit-learn.org/stable/
	Week 7	May 19	Machine Learning - classification	
		May 20	Machine Learning - clustering	
	Week 8	May 26	Machine Learning - clustering	
		May 27	Semantic Information extraction - counting co-occurents	
June	Week 9	June 2	Semantic Information extraction - statistical analysis	
		June 3	Semantic Drift - Comparing Words	
	Week 10	June 9	Pfingstmontag: No class	
		June 10	Semantic Drift - putting it all together	
	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	
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