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	Exercises
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/	IPython Notebook chapters 1-5 here: https://github.com/DHLeipzig-CurrentTopics-SS2014/MK-Python-Course
	Week 2	April 14	Regex	regular-expressions.info docs.python.org/3/library/re.html docs.python.org/3/howto/regex.html	IPython Notebook chapter 6 here: https://github.com/DHLeipzig-CurrentTopics-SS2014/MK-Python-Course
		April 15	Web Scraping	lxml	IPython Notebook "A Short Intro to 'lxml'.ipynb here: https://github.com/DHLeipzig-

	Week 3	April 21	Ostermontag: No class		
		April 22	Web Scraping		

	Week 4	April 28	HTTP Requests and APIs	● Requests Package
				  ○ 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 vectors and matrices	http://www.numpy.org/	
		May 6	Semantic Information extraction - counting co-occurrents		
	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	http://matplotlib.org/	

			results - 2D and 3D plots		
	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		