Veranstalter/in:	Eva Maria Luef
Modul:	(Computational) phonology
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Art der Veranstaltung:	Seminar II
Veranstaltungsnummer:	
Zeit:	
Raum:	
Beginn:	

Course Description

Linguistis surveying the world's languages have counted at least 558 consonants, 260 vowels, and 51 diphthongs. Infants appear to be able to distinguish all of them up to the age of about 8 months. After that, their brains sort all the sounds of speech into the much smaller subset of phonetic categories of their first languages. What a language like English picked out of this universal repertoire of 869 phonemes shall be dealth with in this course. We shall take a look at production and perception and deal with units, natural classes and processes (both segmental and suprasegmental). Furthermore, we shall discuss phonological theories past and present with emphasis placed on computational phonology. Computational approaches to phonology study sound patterns in languages via application of formal and computational techniques to the representation and processing of phonological information. Special attention will be paid to computational software for phonological study (e.g., Praat, various R packages etc.). The topics discussed in this course will span the gamut from phonological theory, sound change, first and second language development, to speech impairments and computational learning methods.

Participants are invited to given an oral presentation of their individual topic and to prepare a term paper. Regular attendance and active participation are expected. Students in this class should ideally not have a deep-seated aversion to numbers and to working with computers. A willingness to acquire basic programming skills with R is necessary.

Sprechstunden im Semester:	s. Sprechstundenliste
Sprechstunden in der vorlesungsfreien Zeit:	s. Sprechstundenliste