

# Phonological Research

LING 322, Fall 2021, Reed College

<b>Instructor:</b>	Sameer ud Dowla Khan (they/he), skhan@reed.edu
<b>Time &amp; place:</b>	Mon/Wed 1:25–2:45PM, in Eliot 126
<b>Drop-in office hours:</b>	Mon 3:00–4:30PM and Wed 10:30–12:00PM in Eliot 101C
<b>Virtual office hours:</b>	Wed 3:30–5:30PM on Zoom (make an appointment via email)
<b>Distribution group:</b>	Group II
<b>Learning goals:</b>	Analyze languages, structures, and processes Think in sophisticated ways about causation and human cognition

## Course description and learning outcomes

The way we understand the phonological grammar has changed as formal phonological theory and psycholinguistic research continue to evolve. Through engaging with both classic and current research, we will seek to answer the question: what do speakers need, in order to know about the sounds and sound patterns of their language? Topics to cover include: the role of phonetic naturalness, our sensitivity to the gradient nature of phonotactics, the role of lexical statistics, word frequency, and phonological neighborhood density, and our awareness of fine acoustic and non-acoustic details of how speech is produced. We will also cover how our phonology is affected by those we speak with, and how our attention to certain acoustic cues can result in perceptual stretching and illusions, especially in cases of producing and perceiving foreign languages, adapting loanwords into the native phonology, and even juggling multiple phonologies in one's own mind.

## Requirements and grading breakdown

<i>Prerequisites:</i>	Introduction to Linguistic Analysis (LING 211)
<i>Discussion (15%):</i>	You must complete readings prior to each class, and be ready to discuss the premise, methods, findings, and significance of each study to our main questions. You will also bring your constructive criticisms and questions for the authors.
<i>Discussion leading (15%):</i>	You will lead the discussion on three readings from our list; each of your papers must be from a different unit: Naturalness, Lexicon, Interlocutor, Two Phonologies, Warping, and Non-Acoustic Features. Consult with Sameer as soon as possible in choosing papers.
<i>Journal reviews (50%):</i>	You will write 25 1-pg journal reviews ("JR"), one for each class meeting, for readings labeled "R+JR". Here you will take the perspective of a reviewer for the journal the article was submitted to, summarizing the article and offering constructive criticism.
<i>Literature reviews (20%):</i>	You will write four literature reviews ("LR"), due on the Friday after each major unit: Lexicon, Interlocutor, Two Phonologies + Warping, and Non-Acoustic Features. Here you will take the perspective of an author motivating your own study within the literature.

## Policies

<i>Late work:</i>	Each student has two 24-hr extensions that they can apply to a single LR (48-hr extension), or across two (24-hr extensions for each). No other late work or extensions will be accepted.
<i>Misconduct:</i>	I have zero tolerance for plagiarism. Each student must abide by the Reed Honor Principle.
<i>Accommodations:</i>	If you have a documented disability and will need accommodations for this class, it is your responsibility to contact Disability Support Services at (503) 517-7921 or disability-services@reed.edu as soon as possible, and then meet with me to work out the details.

## Class schedule

**R:** reading due, **R+JR:** reading and journal review due, **LR:** literature review due

Week	Day	Date	Unit: topic	Due before class
1	Mon	30 Aug	Introduction, reading and reviewing articles, writing literature reviews	
	Wed	1 Sep	Phonological interfaces	<b>R+JR:</b> Bybee 2001
2	Mon	6 Sep	<b>NO CLASS:</b> Labor Day	
	Wed	8 Sep	Phonetic naturalness: phonological rules	<b>R+JR:</b> Wilson 2006 <b>R:</b> Pater & Tessier 2003
3	Mon	13 Sep	Phonetic naturalness: lexical statistics	<b>R+JR:</b> Hayes & White 2013
	Wed	15 Sep	Lexicon: lexical statistics and infants	<b>R+JR:</b> Jusczyk et al. 1994
4	Mon	20 Sep	Lexicon: lexical statistics and adults	<b>R+JR:</b> Hayes & Londe 2006
	Wed	22 Sep	Lexicon: word frequency	<b>R+JR:</b> Jurafsky et al. 2000
5	Mon	27 Sep	Lexicon: neighborhood density	<b>R+JR:</b> Gahl et al. 2012
	Wed	29 Sep	Lexicon: neighborhood density	<b>R+JR:</b> Scarborough 2013 <b>R:</b> Goldrick et al. 2013 <b>LR:</b> Lexical effects (Fri)
6	Mon	4 Oct	Interlocutor: exemplar theory	<b>R+JR:</b> Johnson 1997
	Wed	6 Oct	Interlocutor: imitation	<b>R+JR:</b> Nielsen 2011 (incl. erratum)
7	Mon	11 Oct	Interlocutor: accommodation	<b>R+JR:</b> Babel 2010 <b>[Sam]</b>
	Wed	13 Oct	Interlocutor: compensation	<b>R+JR:</b> Kraljic et al. 2008 <b>[Jie]</b> <b>R:</b> Dahan et al. 2008 <b>LR:</b> Interlocutor effects (Fri)
Break	Mon	18 Oct	<b>NO CLASS:</b> Fall Break	
	Wed	20 Oct		
8	Mon	25 Oct	Two phonologies: L1 interference in L2	<b>R+JR:</b> Hallé et al. 2004 <b>[Jie]</b>
	Wed	27 Oct	Two phonologies: L2 interference in L1	<b>R+JR:</b> Chang 2012 <b>[Sam]</b> <b>R:</b> Chang 2013
9	Mon	1 Nov	<b>NO CLASS:</b> NSF Days	
	Wed	3 Nov		
10	Mon	8 Nov	Two phonologies: bimodal bilingualism	<b>R+JR:</b> Emmorey et al. 2015
	Wed	10 Nov	Two phonologies: dialect interference	<b>R+JR:</b> Nycz 2013
11	Mon	15 Nov	Two phonologies/warping: cross-language "contrasts"	<b>R+JR:</b> Melguy 2017
	Wed	17 Nov	Warping: perceptual stretching	<b>R+JR:</b> Kuhl 1991 <b>R:</b> Zhang & Lai 2006
12	Mon	22 Nov	Warping: perceptual illusions	<b>R+JR:</b> Dupoux et al. 1999
	Wed	24 Nov	<b>NO CLASS:</b> Thanksgiving Eve	
13	Mon	29 Nov	Warping: loanword adaptation	<b>R+JR:</b> Peperkamp et al. 2008 <b>[Jie]</b>
	Wed	1 Dec	Non-acoustic features: orthography	<b>R+JR:</b> Yoncheva et al. 2013 <b>[Sam]</b> <b>R:</b> Bailey & Hahn 2001 <b>LR:</b> Two phonologies and warping (Fri)
14	Mon	6 Dec	Non-acoustic features: vision	<b>R+JR:</b> Scarborough et al. 2009
	Wed	8 Dec	Non-acoustic features: touch	<b>R+JR:</b> Gick & Derrick 2009, Derrick & Gick 2010 <b>LR:</b> Non-acoustic effects (Fri)

Papers removed

Neighborhood density

R: Vitevitch & Luce 1999

Interlocutor: imitation across individual differences	R+JR: Yu et al. 2013
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Exemplar Theory

R: Goldinger 1996, Ettlinger & Johnson 2009

Non-acoustic features: vision	R+JR: Johnson et al. 1999 R: McGurk & MacDonald 1976
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