

Linguistics 330: Phonetics

Winter 2018

Monday, Tuesday, Thursday 8.35–9.25, Strathcona Anatomy & Dentistry 1/12

Conferences (register for one): Monday 8.35–9.25 & 9.35–10.25, Linguistics 002

	Instructor:	Teaching assistant:
	MORGAN SONDEREGGER	EMILY KELLISON-LINN
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<i>Office hours:</i>	Th 12–1:30 PM (starting Jan 25), or by appointment, in Linguistics 227	F 12:30–1:30, in Linguistics 117, or by appointment

1 Outline

This course provides an introduction to speech production and perception, with an emphasis on foundational practical and conceptual skills for the study of phonetics and phonology. We will spend about half the course on how sounds are produced by the vocal tract (articulatory phonetics), and half on the acoustic properties of sounds (acoustic phonetics) and how they are perceived by humans (auditory phonetics). Students will be trained in transcription (using International Phonetic Alphabet), identification, and production of sounds of the world's languages, as well as acoustic analysis of normal speech (using Praat). The acoustic theory of speech production will be covered in detail, as well as the basics of speech perception.

2 Texts

Required textbooks (at Paragraphe Books and on reserve in McLennan):

- Ladefoged, P. & K. Johnson (2015) *A Course in Phonetics* (7th edition). Wadsworth.
- Johnson, K. (2011) *Acoustic and Auditory Phonetics* (3rd edition). Wiley-Blackwell.¹

Recommended additional reading

- Ladefoged, P. & S.F. Disner (2012) *Vowels and Consonants* (3rd edition). Wiley-Blackwell. (Gentler than *A Course in Phonetics*, and slightly different topics.)
- Ladefoged, P. & I. Maddieson (1996) *The Sounds Of The World's Languages*. Wiley-Blackwell. (An encyclopedia of cross-linguistic phonetic variation.)
- Catford, J.C. (2002) *A Practical Introduction to Phonetics* (2nd edition). Oxford University Press. (Useful for learning to produce different speech sounds.)

These last three books will eventually be on reserve in McLennan.

Other readings will be posted on the myCourses site as necessary.

3 Electronic logistics

Course website: On myCourses. Make sure you have access.

Emails:

- Please include “LING 330” in the subject line of emails to course staff.
- We will attempt to respond to emails within 24 hours on weekdays (usually sooner). We cannot guarantee responses to emails during weekends or holidays.
- Please do not email both the TA and the instructor the same question, as it duplicates work for us.

Polling/SRS:

- We will be using the Polling@McGill system (a.k.a. Student Response System/SRS) to conduct in-class exercises to which students respond from their personal device: smartphone, laptop, or tablet.

¹This book isn't yet on reserve (as of Jan. 7) but should be soon.

- You are strongly encouraged to participate in these polls if you have such a personal device. See ‘Getting Started for Students’ at www.mcgill.ca/polling. More information will be given in lectures.
- Participation in polling contributes to extra credit worth up to 2% of the course grade.

4 Evaluation

5 assignments	30% (6% each)
Midterm exam	28%
Final exam	42%

5 McGill Policy Statements

McGill University values academic integrity. Therefore, all students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Code of Student Conduct and Disciplinary Procedures (see www.mcgill.ca/students/srr/honest/ for more information).

In accord with McGill University’s Charter of Students’ Rights, students in this course have the right to submit in English or in French any written work that is to be graded.

Instructor generated course materials (e.g., handouts, notes, summaries, exam questions, etc.) are protected by law and may not be copied or distributed in any form or in any medium without explicit permission of the instructor. Note that infringements of copyright can be subject to follow up by the University under the Code of Student Conduct and Disciplinary Procedures.

If you have a disability which requires accommodation, please contact the instructor to inform me of your situation. I strongly recommend you first contact the Office for Students with Disabilities (Redpath Library, Rm RS56; <http://www.mcgill.ca/osd>).

In the event of extraordinary circumstances beyond the University’s control, the content and/or evaluation scheme in this course is subject to change.

6 Procedures

Conferences:

- Conferences are held on Mondays, starting in **Week 3** on January 22. Emily (the TA) teaches two conferences, one at the lecture time and one at 9:35, in room 002 of Linguistics (1085 Dr Penfield).
- You should register for a conference section on Minerva this week, following an announcement (by email and in class) that registration has been opened. This will happen once all requests to add the course have been processed. Once you have signed up for a conference section, you cannot switch. Once a section has reached its enrolment limit, no more students will be accepted into that section.

Assignments:

- Assignments can be done in groups (max. 3 students per group). **Each student must turn in a separate assignment which he/she wrote up individually, with the students he/she worked with listed.**
- Assignments are due on Mondays at 16:30, and will typically be returned in the next conference. You can hand in your assignment in conference, or place it in the drop-box in the Linguistics photocopy room (rm 109, 1085 Penfield) by 16:30 on the due date. (Note that the department office, including photocopy room, closes at 16:30.) Assignments which are completely digital (i.e., not scans of handwritten assignments) may be submitted electronically to Emily (the TA) by 16:30 on the due date.
- For paper submissions, we suggest you keep a copy of each finished assignment in case the submitted copy is accidentally lost. For electronic submissions, we suggest you keep proof of when the assignment was submitted (such as relevant screenshots) in case there are issues with email delivery.

Attendance:

- Attendance does not count towards your course grade.
- You are responsible for all material covered in lectures and conferences (as well as assignments, and any handouts). Thus, if you cannot attend a lecture or conference, ensure that you get the relevant notes from a classmate.

- Note that ‘material covered in lectures’ may go beyond what is on the slides.

Midterm Exam:

- The midterm is scheduled for Tuesday, February 27, from 18:0–19:55 in Adams auditorium.
- A make-up midterm will be arranged for students who have a conflict with the midterm as scheduled—that is, another exam at the same day and time.
- In the case of a conflict you should inform me and the instructor of the other course, who decide how to accommodate you. Students who qualify must let the instructor(s) know by email **no later than Feb. 2**.

Late Assignments and Missed Exams:

- No make-up exam or quiz, nor any late assignment, will be accepted unless you have a certified medical excuse.
- In addition, the instructor **must be notified by email within 24 hours** of any missed assignment, quiz, or exam. (In the case of an assignment, this means hours from when the assignment was due.)
- Instructors are not permitted to make special arrangements for final exams. See <http://www.mcgill.ca/students/exams/regulations> for more information on final and deferred exams.

Marking:

- No answer to any graded material will be re-assessed unless the answer was originally written in pen or typewritten, and it has not been written over.
- Any issue about grading must be addressed within one week of the date when the assignment/exam was returned.

7 Tutors

If you feel that you need more individual attention than the instructor and TAs can provide, you can contact the McGill Tutorial Service (see <http://www.mcgill.ca/tutoring>) or SLUM (Society of Linguistics Undergraduates of McGill; slum.tutoring@gmail.com). It is understood that tutors help with the content of the course but do not help directly with assignments. Make sure that your tutor knows what is being covered in the course this term since the content can change from term to term.

Course schedule

WK	DATE	EVALUATION	TOPICS	READING
1	M Jan 8 T Jan 9 R Jan 11		Introduction Articulation Transcribing English I	L&J Ch 1
2	M Jan 15 T Jan 16 R Jan 18	A1 posted	Transcribing English II Transcribing English III Transcribing English IV	L&J Ch 2-4
3	M Jan 22 T Jan 23 R Jan 25		Conference 1 Aerodynamics, airstreams, phonation I Aerodynamics, airstreams, phonation II	L&J Ch 6
4	M Jan 29 T Jan 30 R Feb 1	A1 due A2 posted	Conference 2 Consonants cross-linguistically I Consonants cross-linguistically II	L&J Ch 7
5	M Feb 5 T Feb 6 R Feb 8		Conference 3 Consonants cross-linguistically III Vowels cross-linguistically I	L&J Ch 9
6	M Feb 12 T Feb 13 R Feb 15	A2 due	Vowels cross-linguistically II Connected speech/suprasegmentals cross-linguistically I CS/Suprasegmentals cross-linguistically II	L&J Ch 10, 5
7	M Feb 19 T Feb 20 R Feb 22		Conference 4 CS/Suprasegmentals cross-linguistically III Catch-up/review	
8	M Feb 26 T Feb 27 R Mar 1	Midterm (eve) A3 posted	Basic acoustics I Basic acoustics II Speech acoustics I	J Ch 1 J Ch 2.1, 2.3-2.5
Break	Mar 5-9			
9	M Mar 12 T Mar 13 R Mar 15		Conference 5 Speech acoustics II Vowel acoustics I	J 6.1-6.2, 6.4
10	M Mar 19 T Mar 20 R Mar 22	A3 due A4 posted	Conference 6 Vowel acoustics II Fricative and phonation acoustics I	J 7.1-7.2
11	M Mar 26 T Mar 27 R Mar 29		Conference 7 Fricative and phonation acoustics II Stop and affricate acoustics I	J 8.1-8.3
12	M Apr 2 T Apr 3 R Apr 5	A4 due A5 posted	Easter Monday Stop and affricate acoustics II Other consonant acoustics; spectrogram reading	
13	M Apr 9 T Apr 10 R Apr 12		Conference 8 Audition & perception I Audition & perception II	J 4.1-4.3, Ch 5, TBA
14	M Apr 16	A5 due	Conference 9	