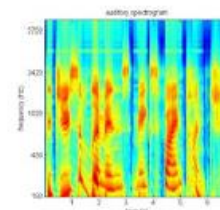


SYLLABUS
Special Topics in Functional English
Experimental Phonetics
Fall 2017

Center for English Language Education (CELESE)
Faculty of Science and Engineering
Waseda University



GENERAL INFORMATION

Instructor: Saya Kawase
Email: skawase@aoni.waseda.jp
Lectures: 10:40-12:10 Wednesday
Room: 63-3F Room H
Office hours: by appointment
CourseN@vi <https://cnavi.waseda.jp/index.php>

COURSE DESCRIPTION

The goal of this course is to provide students with broad training in the theory and practice of acoustic and articulatory phonetics. The first half of the course will focus on aspects of articulatory and acoustic phonetics, including the production, classification, as well as analyses of speech sounds. In addition, students will conduct an individual final research project using an experimental technique on a topic relating to speech production and/or perception. This course will be conducted in English, including lectures and discussions.

COURSE OBJECTIVES

- 1) To provide students with an overview of acoustic and articulatory phonetics.
- 2) To understand how humans produce and perceive speech.
- 3) To perform basic acoustic/articulatory analyses of speech sounds.
- 4) To encourage students to discuss topics covered in class.
- 5) To conduct an experiment and present in both oral and written presentations.

REQUIRED TEXTBOOK

None. All the reading materials will be given in class or be available on CourseN@vi.

REQUIRED READING (AVAILABLE ON COURSEN@VI)

- 1) Reetz, H. and Jongman, A. (2009). *Phonetics: Transcription, Production, Acoustics, and Perception*. Wiley-Blackwell.
- 2) Raphael, L. J., Borden, G. J., & Harris, K. S. (2007). *Speech science primer: Physiology, acoustics, and perception of speech*. Lippincott Williams & Wilkins.

REQUIRED SOFTWARE (all freely available)

- 1) Praat: doing phonetics by computer <http://www.fon.hum.uva.nl/praat/>
- 2) R studio <https://www.rstudio.com/>
- 3) Slack <https://slack.com/>

COURSE COMPONENTS

Students are required to attend all sessions and actively participate in class discussion. Each class consists of formal lecture, students' presentations of assigned chapters of the required textbook, and group/class discussions.

COURSE ASSIGNMENTS & BASIS FOR GRADING

Students will complete the assignments below and final grades will be calculated in the following manner:

Attendance/Participation in class discussion	30%
Weekly quizzes	20%
Mid-term project	25%
Final project	25%

秀 (A+) = 100-90

優 (A) = 89-80

良 (B) = 79-70

可 (C) = 69-60

不可 (F) = 59-1

否 (Y) = 0

ATTENDANCE POLICY

Students are expected to keep up with course work on a daily basis and attend all classes. It is considered to be "late" if you are not present when the instructor takes attendance, and 2 lates are treated as 1 absence. (Remember that the quiz starts at 10:45.) **More than two absences will jeopardize the final course grade.**

DESCRIPTION OF COURSE ASSIGNMENTS

Attendance/Participation in class discussion

Not only attendance but also participation in class discussion is crucial and students are required to attend all sessions and strongly recommended to express various ideas about second language learning and teaching.

Weekly quizzes

To check your understanding of several key terms and important concepts discussed in the assigned chapter, a weekly quiz will be given at the beginning of class. Students must complete assigned readings **BEFORE class**, and answer one question in English and another in Japanese in the quiz.

TENTATIVE COURSE OUTLINE

	Date	Topic	Reading	Assignment
1	October 4	Course Overview - Syllabus - Introduction		
2	October 11	Terminology Articulatory Phonetics 1	RJ Chapter 1 & 2	
3	October 18	Articulatory Phonetics 2 Transcription	RJ Chapter 3	
4	October 25	Vowels <u>Lab session 1</u> - Acoustic Analyses (in class)	RJ Chapter 4	
5	November 1	Consonants <u>Lab session 2</u> - Acoustic Analyses (in class)	(Chapter 4)	Analyses paper Due 1
6	November 8	Vowels and consonants 2 <u>Lab session 3</u> Acoustic Analyses (in class)		
7	November 15	Suprasegmental information Peer-reviewed (in class)		Mid-term paper due
8	November 22	Speech Perception 1 - Audition - The Acoustic Cues	RBH Chapter 10	
9	November 29	Speech Perception 2 - L1 and L2 perception		
10	December 6	Final Project - Overview - Article Review		
11	December 13	Final Project - Experimental Design 1		Article review due
12	December 20	Final Project - Experimental Design 2 - Data Collection		Research Proposal due
Winter Break				
13	January 10	Final Project - Analyzing Data		Data collection due
14	January 17	Final Project - Oral Presentation		
15	January 24	Final Project - Write-up		Final paper Due (January 31st)