

Syllabus SPAU 3343-001

Phonetics

Fall 2023

Class Time: Fri 1:00 – 3:45

Location: CD2 J.108

Professor Contact Information

Instructor: William Katz

Email: wkatz@utdallas.edu

Office hours: I can be contacted by email/Teams and will set up a appointments before/after class and TBA.

Teaching assistants:

(grad) TBA

(UG) TBAs

Course Pre-requisites, Co-requisites, and/or Other Restrictions

No pre-requisites or co-requisites are necessary for this course.

Course Description

An introduction to the production and perception of speech sounds. This course covers modern theory and practice in articulatory, acoustic, and linguistic phonetics. Students will acquire basic transcription skills with the International Phonetic Alphabet (IPA) for General American English (GAE), foreign-accented English, and speech from individuals with speech, language, and hearing disorders.

Student Learning Objectives/Outcomes

Objectives: **Critical Thinking (CT)** – to include creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information

Communication (COM) – to include effective development, interpretation, and expression of ideas through written, oral, and visual communication

Empirical and Quantitative Skills (EQS) – to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Social Responsibility (SR)–to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

This course involves home study, class lecture, and lab. Classroom participation is required and attendance will be noted. To succeed, you will need to practice recognizing and transcribing phonetic symbols, at home, in lecture, and in lab. Study partners/groups are recommended.

Lecture: The lecture portion of the course will introduce and clarify conceptual information.

The PPT materials (including PDF format) are available via the course webpage (and links supplied to elearning). If you have questions, please post them in the designated e-learning discussion board thread. As noted in the schedule, lecture topics (and questions) will be discussed each Tues.

Labs: Phonetics lab is an interactive learning experience, run mainly by the TAs, that provides students with the opportunity to practice their transcription skills. Lab slides are not be posted online or distributed to students. More information will be presented in our introductory meeting.

eLearning: Announcements and course materials will be posted regularly on the eLearning website. Please check eLearning frequently to stay up-to-date with any changes that may take place during the semester.

Classroom citizenship: Please no open laptops, unless we are using them for an in-class project. In addition, kindly

keep your phone on mute. Thanks for your understanding.

Note: It is important you complete the assigned readings and online assignments before each class lecture.
Thanks!

Required Textbooks and Materials

Textbook: Katz, William F. (2013). Phonetics for Dummies. John Wiley & Sons. ISBN# 978-1118505083 [Note: updated 2017]

Alternate Access: The text is also available as an eBook. For more details, see <https://www.wiley.com/en-us/Phonetics+For+Dummies-p-9781118505090>

Materials: All additional course materials are made available in eLearning or via class website:
<https://www.utdallas.edu/speech-production-lab/teaching/courses/phonetics/>

Suggested Course Materials

Transcribing American English – Instructional videos made for our class:
<https://www.utdallas.edu/speech-production-lab/teaching/instructional-materials/>

Alvin2 – A self-paced phonetics learning program by Prof. James H. Hillenbrand. For PC only.
<https://homepages.wmich.edu/~hillenbr/>

iPA Phonetics - iphone application. Download from App Store (free). By C. Coey, J.H. Esling, S.R. Moisik, Univ. Victoria, Department of Linguistics (2019).

Assignments & Academic Calendar

* Last day to drop without a 'W' = 2/01

Week/Date	Lecture/PPT	Lab (part of each Fri session)	<u>What's due and what to study for:</u> HW= homework LM= learning module
(1) 1/20	<u>First meeting</u> Review syllabus, text, website, coursework expectations. Broad introduction to the coursework.	Intro to GAE consonants (wk)	Intro Chap. 1 & 2
(2) 1/27	Source-filter theory IPA Place and manner of consonants Vowel symbols and pronunciation	GAE vowels and diphthongs (wk)	Chap. 3 & 4
(3) 2/3	Feature theory, continue segmentals, begin suprasegmentals	Lab 1: Intonation practice VPM practice	Chap. 1- 4 LM1: Intonation & VPM (due start of class on e-learning)
(4) 2/10	Concepts of phoneme and allophone, complimentary/free distribution, broad/narrow transcription Cover last points in chapters 1-4	Lab 2: Broad transcription	Chap. 5, 6 & 7 LM 2: Broad transcription and <u>HW 1</u> (both due on e- learning) <u>Quiz 1</u> : 10 words- intonation
(5) 2/17	Airstream mechanisms, demos, and discussion of these sounds	Lab 3: Broad transcription	Chap. 15 LM 3: Real word transcription <u>HW2</u> -both due on e-learning <u>Quiz 2</u> : Broad, 5 real words Project audio files assigned
(6) 2/24	Place and manner of languages other than English	Lab 4: Broad transcription	Chap. 16 LM 4: Non-word transcription <u>HW3</u> -both due on e-learning <u>Quiz 3</u> : Broad, 5 non-word
(7) 3/3	13 phonological rules of GAE Applications for SLP, use of diacritics	"Catch-up" lab - pair/share activity w/ 13 phonol. rules	Chap. 8, 9 LM 5: Transcription practice 1 <u>HW4</u> - both due on e-learning 13 rules worksheet
(8) 3/10 "power week" TBA	Practice applying 13 rules Midterm review - mock exam <i>Asynchronous or with Prof/TA previous to Fri class</i>	Lab 5: Narrow transcription <i>Asynchronous or with Prof/TA previous to Fri class</i>	3/10 Midterm exam In class (synchronous)
3/17 - SPRING BREAK			
(9) 3/24	Continue with narrow transcription Begin using intonation contours	Lab 6: Varieties of English - accents/dialects	LM 6: Narrow transcription due on e-learning Video: Sociophonetics

(10) 3/31	Varieties of English American vs. British; Mapping regional differences, tips for transcription. Issues in SLP practice	Lab 7: Narrow Transcription	Chap. 18 LM 7: Narrow transcription on e-learning
(11) 4/7	Intonation contours, tonic stress, and primary/secondary stress. Syllable- vs. stress-timed languages. Sonority/prominence. Stress, length, geminate consonants, and extra-long vowels. Phonemic tone	Lab 8: Intonation contours/primary, secondary stress	Chap. 10, 11 LM 8: Lexical stress, intonation on e-learning <u>Quiz 4</u> : Narrow, 10 words -- both due
(12) 4/14	Acoustic phonetics Nature of sound, wave theory, harmonics and formants. Brief demo of <i>Praat</i> , speech analysis software	Lab 9: Narrow Transcription: Sentence level transcription <i>Assign mystery spectrogram</i>	Chap. 12,13 LM 9: Transcription practice 2
(13) 4/21	Acoustics cont'd / Spectrograms: brief history, axes, how to interpret vowels/diphthongs consonants Perceptual acoustics: categorical perception, VOT, ease of articulation, perceptual distinctiveness	Lab 10: Narrow Transcription, sentence level transcription Review mystery spectrogram in lab	Chap. 12,13 &14 LM 10: Sentence transcription <u>HW5</u> – both due on e-learning Mystery spectrogram
(14) 4/28	Special Populations Adult neurogenic speech, children's speech	<i>Review transcription issues for final project</i>	Chap. 17&19 due on e-learning
(15) 5/05 Last Fri of classes	Final project due Friday (5/05) in class Mock Final Exam (and answers)		
Finals week	Final Exam - TBA - In class		

Grading Policy

Grading Breakdown: 25% quizzes/homework; 25% midterm; 25% final; 25% final project.

Grade scale: 98-100, A+; 93-97, A; 90-92, A-; 88-89, B+; 83-87, B; 80-82, B-; 78-79, C+; 73-77, C; 70-72, C-; 68-69, D+; 63-67, D; 60-62, D-; below 60, F.

Retain your best homework/quiz scores

To cover any contingencies that might affect performance on a single homework assignment or quiz score, we allow you to drop a lowest homework and lowest quiz score from your semester average.

Extra Credit Opportunities

Extra credit may be earned by completing the exercises from online learning modules on eLearning. Learning module (LM) exercises are graded based on effort, not accuracy. Completion of the first five LM exercises will add five points to your midterm exam grade; completion of the second set of five will add five points to your final exam grade. You must complete all five LM exercises in the set to receive full extra credit. Four exercises or less merits partial credit, as set by the instructor.

Course & Instructor Policies

Homework assignments will not be accepted late. If you must miss a quiz or exam, notify the instructor as soon as possible. Missed quizzes and exams will only be given in cases of legitimate, documented reasons (e.g., illness with a doctor's note) and must be made-up within a week of the original date. For the final project, five points will be deducted from late submissions for each day that has passed since the deadline. Late extra credit submissions will not be accepted.

Knowledge is assessed throughout the semester via homework assignments, quizzes, and weekly lab exercises. There will be a midterm exam, a (cumulative) final, and a final project.

Homework: Homework assignments assess your understanding of the material we have covered during lecture. Instructions for each assignment will be posted on eLearning. All assignments must be completed independently (unless otherwise specified). Late assignments will not be accepted.

Quizzes: Quizzes will assess your transcription abilities as the course progresses. For each quiz, you will be asked to independently transcribe the speech samples that you hear.

Exams: Exams will assess your knowledge and understanding of the conceptual information presented in the text and during lectures. The final exam is cumulative and will cover material from the entire course. For each exam, you will have a study guide to help you prepare.

Class Materials

The instructor may provide class materials that will be made available to all students registered for this class as they are intended to supplement the classroom experience. These materials may be downloaded during the course, however, these materials are for registered students' use only. Classroom materials may not be reproduced or shared with those not in class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

Classroom Conduct Requirements Related to Public Health Measures

UT Dallas will follow the public health and safety guidelines put forth by the Centers for Disease Control and Prevention (CDC), the Texas Department of State Health Services (DSHS), and local public health agencies that are in effect at that time during the Fall 2021 semester.

Class Attendance

The University's attendance policy requirement is that individual faculty set their course attendance requirements. Regular and punctual class attendance is expected. Students who fail to attend class regularly are inviting scholastic difficulty. In some courses, instructors may have special attendance requirements; these should be made known to students during the first week of classes. Faculty have the discretion to set an attendance policy for their in-person meetings, but the absences due to COVID-19 cannot be counted against a quarantined student.

Class Participation

Regular class participation is expected. Students who fail to participate in class regularly are inviting scholastic difficulty. A portion of the grade for this course is directly tied to your participation in this class. It also includes engaging in group or other activities during class that solicit your feedback on homework assignments, readings, or materials covered in the lectures (and/or labs). Class participation is documented by faculty. Successful participation is defined as consistently adhering to University requirements, as presented in this syllabus. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

Class Recordings

Students are expected to follow appropriate University policies and maintain the security of passwords used to access recorded lectures. Unless the Office of Student AccessAbility has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. Recordings may not be published, reproduced, or shared with those not in the class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

The instructor may record meetings of this course. These recordings will be made available experience. If the instructor or a UTD school/department/office plans any other uses for the recordings, consent of the students identifiable in the recordings is required prior to such use unless an exception is allowed by law.

Comet Creed

This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:

"As a Comet, I pledge honesty, integrity, and service in all that I do."

Academic Support Resources

The information contained in the following link lists the University's academic support resources for all students. Please see <http://go.utdallas.edu/academic-support-resources>.

UT Dallas Syllabus Policies and Procedures

The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus. Please review the catalog sections regarding the [credit/no credit](#) or [pass/fail](#) grading option and withdrawal from class.

Please go to <http://go.utdallas.edu/syllabus-policies> for these policies.

This course has been designed to ensure that students demonstrate required knowledge and skill as outlined in the ASHA Standards and Implementation Guidelines for the Certificate of Clinical

Competence in Speech-Language Pathology. **How knowledge is conveyed and how knowledge and skill acquisition will be demonstrated:**

Standard III-B

The applicant must demonstrate knowledge of basic human communication and swallowing processes including their biological, neurological, acoustic, psychological, developmental, linguistic and cultural bases. Specific knowledge will be demonstrated in this class in the area of phonetics.

Knowledge will be conveyed via class lectures and readings.

Acquisition will be demonstrated via class discussions, exams and required project.

Standard III-C

The applicant must demonstrate knowledge of the nature of speech, language, hearing, and communication disorders and differences and swallowing disorders, including the etiologies, characteristic, anatomic/physiological, acoustic, psychological, developmental, and linguistic and cultural correlates. Specific knowledge will be demonstrated in this class in the area of phonetics.

Knowledge will be conveyed via class lectures, readings, and required videotape viewing. Acquisition will be demonstrated via class discussions, required quizzes over videotapes, and final project.

Standard III-E

The applicant must demonstrate knowledge of standards of ethical conduct.

Knowledge will be conveyed via class lectures. Acquisition will be demonstrated via class discussion.

Standard IV-B

The applicant must possess skill in oral and written communication sufficient for entry into professional practice.

Acquisition of knowledge will be demonstrated via written final project.

Standard IV-G

The applicant for certification must complete a program of study that includes supervised clinical experiences sufficient in breadth and depth to achieve the following skills outcomes (in addition to clinical experiences, skills may be demonstrated through successful performance on academic coursework and examinations, independent projects or other appropriate alternative methods). Specific knowledge will be demonstrated in this class in the area of phonetics.

Knowledge will be conveyed via lectures and readings. Acquisition will be demonstrated via class discussion and final project.

Students will demonstrate the following skills:

1. Discuss and explain theories concerning the anatomy and physiology of the speech production mechanism.
As measured by:
Successful completion of exams and homework assignments
Class discussion
2. Describe and apply the principles of articulatory phonetics, including use of feature theory to describe the sounds of General American English (GAE) and other languages.
As measured by:
Successful completion of exams and homework assignments
Class discussion
Final project
3. Demonstrate understanding of voicing and voice mechanisms, including the concept of partial devoicing as it relates to phonological rules.
As measured by:
Successful completion of exams and homework assignments
Class discussion
Final project
4. Demonstrate the ability to use IPA transcription, including composing an effective transcript, constructing clear examples of spontaneous and citation form speech transcripts, and interpreting read transcriptions.
As measured by:
Successful completion of exams and homework assignments

Class discussion

Final project

5. Analyze and classify the consonants and vowels of American English by the features of place, manner, and voicing.

As measured by:

Successful completion of exams and homework assignments

Class discussion

Final project

6. Discuss the phonological rules and allophones of American English and contrast these with systems for other accents and languages. This will incorporate systems of stress and intonation

As measured by:

Successful completion of exams and homework assignments

Class discussion

7. Apply properties of acoustic phonetics to speech pathology practice, including transcription of foreign-accented English.

As measured by:

Successful completion of exams and homework assignments

Class discussion

Final project

8. Interpret the basic principles of linguistic phonetics and apply them to the clinical issue of phonemic misperception and L2 acquisition.

As measured by:

Successful completion of exams and homework assignments

Class discussion

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.