

Syllabus– Spring 2022

Course	SPAU 3343 001
Course Title	Phonetics and Phonology
Professor	William F. Katz
Term	Spring 2022
Meetings	Fri 1:00 – 3:45, initially virtual After 2/4/22, in-class preferred

Professor's Contact Information

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COVID-19 Guidelines and Resources

The following guidelines and resources outline expectations for students and instructors of record during the Spring 2022 semester.

Classroom Safety and COVID-19 ^{SEP}To help preserve the University's in-person learning environment, UT Dallas recommends the following:

Adhere to the University's [CDC Updated Guidelines](#) issued on July 30, 2021. All Comets are strongly encouraged to wear face coverings indoors regardless of vaccination status.

Accommodations for Students Who Miss Class for Reasons Unrelated to COVID-19

Individual faculty maintain their discretion on whether and how to accommodate student absences unrelated to COVID-19.

Accommodations for Students Who Must Isolate or Quarantine Due to COVID-19

To keep the UT Dallas community as safe as possible, the University requires students who test positive for COVID-19 or who are close contacts as determined by the campus contact tracing program to isolate or quarantine as applicable. Faculty will be notified by the Dean of Students' Office if a student in their class has been required to isolate (positive case) or quarantine (exposed). Faculty must make lectures available for those students during the period the students must isolate or quarantine. Faculty who need assistance with providing these students access to course content can contact the eLearning Team at elarning@utdallas.edu. 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 an isolated or quarantined student.

Verifying COVID-19 Isolations or Quarantines

Students need to self-report COVID-19 positive results or exposures via an [online form](#) so that university campus tracers can verify, record, and take necessary campus precautions. When faculty are notified by students rather than by the Dean of Students' Office that the students are isolating or quarantining, the faculty should remind students to self-report via the form; students should not attend class until cleared by campus tracers.

Vaccinations are widely available, free and not billed to health insurance. The vaccine will help protect against the transmission of the virus to others and reduce serious symptoms in those who are vaccinated. You are encouraged to [get a COVID-19 vaccine](#) and register your vaccination status through the [voluntary vaccine report form](#). If you have received your COVID-19 booster, you may register your status through the [voluntary COVID-19 booster reporting form](#).

Proactive Community Testing remains an important part of the university's efforts to protect our community. Tests are fast and free. Please check the [Comets United](#) webpage for additional information.

[Student Safety](#) remains an important part of the UT Dallas' efforts to protect our community. All students will adhere to the Comet Commitment. Unvaccinated Comets will be expected to complete the mandatory [Required Daily Health Screening](#). Those students who do not comply will be referred to the Office of Community Standards and Conduct for disciplinary action under the [Student Code of Conduct – UTSP5003](#). All students are encouraged to read the [Recommendations for Students Returning to Campus](#) issued on August 2, 2021.

Visit [Comets United webpage](#) to obtain the latest information on the University's guidance and resources for campus health and safety.

[Previous Campus Communications](#): a list of university announcements made in 2020-2022.

[Registrar's Intranet](#): please log in with your UTD NetID and password to access this site. Information that faculty need about grading, scheduling, and other essential aspects of our responsibilities related to teaching are made available and updated regularly in the Registrar's Intranet. This source of information can only be accessed by logging in with your UTD NetID and password. Many important faculty questions are answered here, and this is information that faculty members are expected to know and understand.

[FERPA Guidelines](#): you will be asked to log in before you access the FERPA Guidelines webpage on the Registrar's Intranet. If faculty have additional questions about FERPA guidance, please contact the Office of the Registrar at records@utdallas.edu for the

proper student consent forms and further instructions. NOTE: Class recordings from prior semesters may be used as long there are no identifiable student information due to [FERPA](#) because instructors will need students' written consent first. Please review your previous class recordings for identifiable student information before using them in the current term. For additional guidance, contact the [Office of the Registrar](#).

[Honorlock](#): Online proctoring tool will be available for fully online courses and for classes with enrolled international students who are not yet in the United States.

[UT System Resources for Creating Accessible Course Content](#): designed to assist faculty with developing course content

Student Resources

Students who have tested positive for COVID-19 or may have been exposed should not attend class in person and should instead follow required disclosure notifications as posted on the university's website (see "[Student Safety](#)" protocols).

COVID-19 Resources

[Comets United webpage](#): check frequently

[FAQ](#): check out the FAQs and reach out to your instructor or academic advisor if answers are not included

[Student Resources](#): a variety of resources are available to help students to obtain counseling, health care, and academic support.

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

None.

Course Description

This course provides an overview of modern phonetics. We will cover articulatory, acoustic, and linguistic phonetic theories. Students will acquire basic transcription skills, with particular attention paid to foreign-accented English and the speech of individuals with communication disorders.

Student Learning Objectives/Outcomes

This course has been designed to ensure that students demonstrate required knowledge and skill as outlined in the Standards and Implementation Guidelines for the Certificate of Clinical Competence in Speech-Language Pathology. The specific standards addressed in this class are: III-B, III-C, III-E, IV-B, IV-G.

After completing the course students should be able to:

- 1) Identify the anatomy of the speech production mechanism. (III-B)

- 2) Discuss and explain articulatory phonetics, including feature theory and the basic kinematics of tongue, lip, jaw, and velum. (III-B)
- 3) Recognize the importance of voicing and voice mechanisms. (III-B)
- 4) Show abilities of basic IPA transcription, including composing an effective transcript, constructing clear examples of spontaneous and citation form speech transcripts, and interpreting read transcriptions. (III-B, III-C, IV-B, IV-G).
- 5) Analyze and classify the consonants and vowels of American English by the features of place, manner, and voicing. (III-B).
- 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. (III-B, III-C).
- 7) Identify and apply properties of acoustic phonetics to speech pathology practice. (III-C, III-E, IV-B, IV-G).
- 8) Define and outline the basic principles of linguistic phonetics. (III-B, III-C)

ASHA STANDARDS ADDRESSED IN THIS CLASS: 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 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 voicing as it relates to phonological rules.
As measured by:
Successful completion of exams and homework assignments, class discussion, final project
4. Demonstrate the ability of 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

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).

Recommended optional books

- Cancio, M.L. & Singh, S. (2020). *Functional Phonetics Workbook*, Third Edition.
- Ladefoged, P. & Johnson, K. (2015). *A Course in Phonetics*. 7th Edition

Assignments & Academic Calendar (next page)

Assignments & Academic Calendar

* Last day to drop without a 'W' = 2/22

Blue = Virtual, Black = Face-to-face (tentative)

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) 1/21	<u>First meeting</u> Review syllabus, text, website, coursework expectations. Broad introduction to the coursework.	Basics of GAE consonants (wk)	Intro Chap. 1 & 2
(2) 1/28	Source-filter theory IPA Place and manner of consonants Vowel symbols and pronunciation	GAE vowels and diphthongs (wk)	Chap. 3 & 4
(3) 2/4	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) 2/11	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 <u>HW 1</u> -both due on e-learning <u>Quiz 1:</u> 10 words- intonation
(5) 2/18	Airstream mechanisms, demos and discussion of these sounds	Lab 3: Broad transcription	Chap. 15 LM 3: Real word transcription HW2 -both due on e-learning <u>Quiz 2:</u> Broad, 5 real words Project audio files assigned
(6) 2/25	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) 3/4	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) 3/11 "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>	3/11 Midterm exam In class (synchronous)
3/14 to 3/20 - SPRING BREAK			
(9) 3/25	Continue with narrow transcription Begin using intonation contours	Lab 6: Varieties of English - accents/dialects	LM 6: Narrow transcription due on e-learning Video: "American Tongues"

(10) 4/1	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) 4/8	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
(12) 4/15	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 <u>Quiz 4</u> : Narrow, 10 words -- both due
(13) 4/22	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) 4/29 Last Fri of classes	Special Populations Adult neurogenic speech, children's speech	<i>Review transcription issues for final project</i>	Chap. 17&19 due on e-learning
Last day of classes	Final project due Thursday (5/05) on e-learning by 5:00 pm		
(Tentative)	Final Exam - Friday, 5/13 - In class (synchronous)		

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 Spring 2022 semester to the extent allowed by state governance. Texas Governor Greg Abbott's Executive Order [GA-38](#) prohibits us from mandating vaccines and face coverings for UT Dallas employees, students, and members of the public on campus. However, we strongly encourage all Comets to get vaccinated and wear face coverings as recommended by the CDC. Check the [Comets United: Latest Updates webpage](#) for the latest guidance on the University's public health measures. Comets are expected to carry out [Student Safety](#) protocols in adherence to the Comet Commitment. Unvaccinated Comets will be expected to complete the [Required Daily Health Screening](#). Those students who do not comply will be referred to the Office of Community Standards and Conduct for disciplinary action under the [Student Code of Conduct – UTSP5003](#).

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](#).

NOTE: if the instructor records any part of the course, then the instructor will need to add the following syllabus statement:

The instructor may record meetings of this course. These recordings will be made available to all students registered for this class if the intent is to supplement the classroom

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.

Off-campus Instruction and Course Activities

(Below is a description of any travel and/or risk-related activity associated with this course.)

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.

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