

CD 484: Speech Anatomy and Physiology

Spring 2021

Instructor: Brittney Vickous M.S., CCC-SLP

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Office Hours: By Appointment

Class Meeting Schedule:

- This course will meet virtually Monday's 7:00 – 8:30 PM CST
- The link for class will be available on Blackboard

Required Textbook

Seikel, J., King, D., & Drumright, D. (2021). *Anatomy & physiology for speech, language, and hearing*. (6th ed.). Clifton Park, NY: Delmar.

ISBN: 978-1-63550-279-4

**Textbook WITH ACCESS to ANAQUEST study software is required.*

Optional Textbook (Needed for extra credit opportunity)

Kapit, W. & Elson, L., (2013). *The Anatomy Coloring Book*. (4th ed.), New Jersey: Pearson

ISBN: 978-0321832016

Course Description

This course is designed to help students identify the structures and functions which comprise the speech and hearing mechanism. The relation of this mechanism to the production and development of speech and language will be addressed.

Course Objectives

- Define anatomy, physiology, and related nomenclature
- Describe the motor speech subsystems of respiration, phonation, resonance, articulation, and prosody, as they relate to the speech process
- Identify primary bones, muscles, cartilages, nerves, and spaces relevant to speech production
- Describe the mechanics of respiration, phonation, resonance, and articulation as they relate to speech production
- Identify primary structures of the auditory mechanism
- Describe the process of hearing as it relates to communication
- Discuss the central, peripheral, and autonomic nervous system
- Discuss neuroanatomy as it relates to communication
- Discuss the effect that anatomical and/or physiological dysfunction would have on the communicative process
- Demonstrate understanding of the range of normal oral structure and function

Modes of Instruction and Communication

Instruction will be provided through synchronous online classes utilizing Zoom, Blackboard, reading assignments, and learning activities. Student WKU email addresses are the **ONLY** ones to which class correspondence will be sent. Students are responsible for checking their email and the Blackboard course site regularly.

Course Assignments

Attendance and Participation	(20 possible points)
Labs	(11 @ 10 points each / 110 possible points)
Chapter Quizzes	(11 @ 20 points each / 220 possible points)
Exams	(3 @ 100 points each / 300 possible points)
Oral Peripheral Examinations	(100 possible points)
Total Possible Points	750

Extra Credit: Opportunity to earn extra credit points will be available in this course. Assignment details are on Blackboard.

Grading Scale

Grades are based on the total percentage of points earned. This means that your grade equals earned points/total points. There are 750 total points possible. The grading scale is as follows:

A	93-100
B	85-92
C	77-84
D	68-76
F	67 and below

Expectations

- Students are expected to attend class meetings and participate in class discussions and activities. Absences and/or failure to participate in class will result in a deduction of Attendance and Participation points.
- Emergencies and extenuating circumstances will be addressed on an individual basis and must be communicated to instructor as soon as possible. Attendance and class participation are essential to successful course completion.
- Students are expected to log into Blackboard regularly to obtain notes, submit assignments, and check announcements.
- Assignments are to be submitted electronically via Blackboard and must be posted by midnight of the due date. **No late submissions will be excepted.**
- Assignments should be completed in a *thorough* and *insightful* manner. Critical thinking skills should be evident. Surface level responses will be reflected in your grade.
- If unforeseen events interfere with your ability to participate in this course, prompt communication with the instructor would be to your advantage.

Class Schedule

Week Of:	Topic:	Readings:	Assignments:
January 25	Syllabus Review Chapter 1: Basic Elements of Anatomy	Syllabus Chapter 1	Due 1/31: <input type="checkbox"/> Quiz 1 <input type="checkbox"/> Lab 1
February 1	Chapter 2: Anatomy of Respiration	Chapter 2	Due 2/7: <input type="checkbox"/> Quiz 2 <input type="checkbox"/> Lab 2
February 8	Chapter 3: Physiology of Respiration	Chapter 3	Due 2/14: <input type="checkbox"/> Quiz 3 <input type="checkbox"/> Lab 3
February 15	Chapter 4: Anatomy of Phonation	Chapter 4	Due 2/21: <input type="checkbox"/> Quiz 4 <input type="checkbox"/> Lab 4
February 22	Exam 1		Due 2/28
March 1	Chapter 5: Physiology of Phonation	Chapter 5	Due 3/7: <input type="checkbox"/> Quiz 5 <input type="checkbox"/> Lab 5
March 8	Chapter 6: Anatomy of Articulation and Resonance	Chapter 6	Due 3/14: <input type="checkbox"/> Quiz 6 <input type="checkbox"/> Lab 6
March 15	Chapter 7: Physiology of Articulation and Resonance	Chapter 7	Due 3/21: <input type="checkbox"/> Quiz 7 <input type="checkbox"/> Lab 7
March 22	Chapter 8: Physiology of Mastication and Deglutition	Chapter 8	Due 3/28: <input type="checkbox"/> Quiz 8 <input type="checkbox"/> Lab 8
March 29	Exam 2		Due 4/4
April 5	Chapter 9: Anatomy of Hearing Chapter 10: Auditory Physiology	Chapter 9 Chapter 10	Due 4/11: <input type="checkbox"/> Quiz 9 <input type="checkbox"/> Lab 9
April 12	Chapter 11: Neuroanatomy	Chapter 11	Due 4/18: <input type="checkbox"/> Quiz 10 <input type="checkbox"/> Lab 10 <input type="checkbox"/> Oral Peripheral Evals
April 19	Chapter 12: Neurophysiology	Chapter 12	Due 4/25: <input type="checkbox"/> Quiz 11 <input type="checkbox"/> Lab 11
April 26	Final Exam		**Due Friday 4/30**

The instructor reserves the right to make changes to the topic schedule, assignment schedule, or point values based on schedule and/or class needs. Any needed changes will be communicated with students.

COVID Statement

Out of respect for the health and safety of the WKU community and in adherence with the CDC guidelines, the University requires that a cloth face covering (reusable or disposable) that covers both the nose and mouth must be worn at all times when in public areas within all buildings. Students must properly wear masks/face coverings while in class regardless of the room size or the nature of the classroom activities. Students who fail to wear a face covering mask as required will be in violation of the WKU Student Code of Conduct and will be asked to comply or will face disciplinary action, including possible dismissal from the University. Accommodations to masks face coverings must be determined by the Student Accessibility Resource Center and documented before a student may attend class.

Diversity, Equity, & Inclusion Statement

"Recognition and respect are core aspects of diversity, equity, and inclusion (DEI). The way we value and respond to facets of DEI is critical to our personal, academic, and professional growth. Every person in this class contributes to its diverse composition. We each contribute to the class by way of our being, values, thoughts, and experiences. While we may not always agree with or understand these factors and constructs, we are all responsible for maintaining a respectful environment for sharing and learning. I am committed to maintaining a teaching and learning environment conducive to fostering this recognition and respect."

Technology Management

This course will involve the use of Blackboard and Zoom software. **Managing student technology is the sole responsibility of the student.** The student is responsible for making sure that: (a) student word processing software is compatible with that used by the University; (b) student email software is working properly and that students know how to use it (e.g., to send attachments to the professor); (c) Internet service providers' equipment and software are installed and working properly in conjunction with student computers; (d) in the event that a student's computer stops working properly or becomes totally inoperative, the student has another means by which he or she can successfully complete the course; and (e) any other student technology problem or issue gets successfully resolved, and this in part implies that if a student cannot resolve any personal technology difficulties, his or her only workable solution may be to drop the course.

The IT Help Desk can be reached at 270-745-7000.

WKU Policies

Student Disability Services (ADA Accommodation Statement)

In compliance with University policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact the Student Accessibility Resource Center located in Downing Student Union, 1074. SARC can be reached by phone number at 270-745-5004 [270-745-3030 TTY] or via email at sarc.connect@wku.edu. Please do not request accommodations directly from the professor or instructor without a faculty notification letter (FNL) from The Student Accessibility Resource Center.

Plagiarism

To represent ideas or interpretations taken from another source as his/her own is plagiarism. Plagiarism is a serious offense. The academic work of students must be their own. Students must give the author(s) credit for any source material used. To lift content directly from a source without giving credit is a flagrant act. To present a borrowed passage after having changed a few words, even if the source is cited, is also plagiarism. Student work presented in this course may be analyzed using plagiarism detection software.

Academic Honesty

Academic Honesty is expected of students as defined by WKU here <https://www.wku.edu/handbook/academic-dishonesty.php/>.

Title IX / Discrimination & Harassment

Western Kentucky University (WKU) is committed to supporting faculty, staff and students by upholding WKU's Title IX Sexual Misconduct/Assault Policy (#0.2070) at

<https://wku.edu/eoo/documents/titleix/wkutitleixpolicyandgrievanceprocedure.pdf> and Discrimination and Harassment Policy (#0.2040) at

https://wku.edu/policies/hr_policies/2040_discrimination_harassment_policy.pdf. Under these policies, discrimination, harassment and/or sexual misconduct based on sex/gender are prohibited. If you experience an incident of sex/gender-based discrimination, harassment and/or sexual misconduct, you are encouraged to report it to the Title IX Coordinator, Andrea Anderson, 270-745-5398 or Title IX Investigators, Michael Crowe, 270-745-5429 or Joshua Hayes, 270-745-5121. Please note that while you may report an incident of sex/gender-based discrimination, harassment and/or sexual misconduct to a faculty member, WKU faculty are "Responsible Employees" of the University and MUST report what you share to WKU's Title IX Coordinator or Title IX Investigator. **If you would like to speak with someone who may be able to afford you confidentiality, you may contact WKU's Counseling and Testing Center at 270-745-3159.**

Note: This syllabus is subject to change at instructor's discretion.