

# Voice Disorders

## SLP 508 - Section 702

### Spring 2019

Instructor: <b>Barbara R. Brindle, Ph.D., CCC-SLP</b>	Office: AC 108-E
Office Hours: Mon./Wed. 2:30-4:30 pm; Tue. 2:30-5:30 pm; /Thur. 6-6:30 pm CT; virtual access 10 minutes before & after each class, & by appointment	Phone: (270) 745-4299
Synchronous Class: Tue. 8:00-9:00 pm CT <i>or</i> Wed. 5:30-6:30 pm CT.	E-mail: <a href="mailto:barbara.brindle@wku.edu">barbara.brindle@wku.edu</a>

#### **Texts:**

#### ***Required:***

a) Boone, et al. *Select one.*

- Boone, DR, McFarlane, SC, & Von Berg, SL, & Zraick, RI (2010). The Voice and Voice Therapy, **8<sup>th</sup> ed. with DVD**. Boston: Allyn & Bacon. ISBN 0-205-60973-8/ISBN 13: 9782056009536.

The Boone et al. text is a good, basic introductory text, with DVD exemplifying different disorders and treatment techniques. Make sure that the DVD comes with the text. You will need access to a DVD player. The publisher has gone to an e-book format for edition 9. From a quick review, it would appear that most changes are cosmetic, so I am going to give you the option to use edition 8. Try Amazon if the bookstore cannot carry it.

- Boone, DR, McFarlane, SC, & Von Berg, SL, & Zraick, RI (2014). The Voice and Voice Therapy, **9<sup>th</sup> ed.** Boston: Pearson.

Options:

- Video-enhanced Pearson eText. ISBN-10: 0133359603/ISBN-13:9780133359602
- Cloth Bound Book with Access Card. ISBN-10:0133386880/ISBN-13:9780133386882
- Loose-leaf book with Access Card. ISBN-10:0133412555/ISBN-13:9780133412550

The publisher's literature mentions a 180 day "subscription". The videos from edition 8 are embedded in the electronic text for edition 9. You now need an Access Card Package to access online videos with the printed texts.

b) Additional Readings assigned via on-line links.

c) Speech Analysis Software: *Select one.*

- PRAAT – Available as a free download from <http://www.fon.hum.uva.nl/praat/>

Not as user friendly as other software, but appropriate formats are available for most computer systems. Cannot use to calculate semitones of F<sub>0</sub>.

- SpeechAnalyzer 3.1. Available as free download from [http://www.sil.org/computing/sa/sa\\_download.htm](http://www.sil.org/computing/sa/sa_download.htm)

Click on the link and follow the directions. Speech Tools 2.2 or later will also serve. You may also purchase a CD from SIL if you have bandwidth challenges. Not as many calculations provided, but a useful function which transposes pitch and tempo onto a musical staff is included.

- *OR* access to Computerized Speech Lab/Multidimensional Voice Profile Software & hardware.

#### ***Optional:***

d) Andrews, ML (2006). Manual of Voice Treatment: Pediatrics through

Geriatrics, 3rd ed. Thomson-Delmar. ISBN 1-418-00957-1

Now reported to be out of print, but still useful if you can find it at a reasonable price. This manual is a good reference for people who know the basics but need to look up details, such as the effects of ALS on voice production, etc. It is the only cookbook reference that I will ever recommend, so take advantage of it.

**Course Description:** CD 508 reviews anatomy and physiology of the vocal mechanism and normal voice production; discusses functional, organic, and neurogenic voice disorders; demonstrates clinical and instrumental evaluation methods; and presents therapeutic techniques and management strategies. This is a web-based course, using the Blackboard platform. Class videos are available on site. Synchronous classes will be available via AdobeConnect.

**Prerequisites:** Anatomy & Physiology of the Speech & Hearing Mechanism. Acoustics and Speech & Hearing Science are also recommended. Reliable access to a computer, high speed internet, and a DVD player is mandatory. A good quality external microphone is required for use with the speech analysis software. Also recommended are a webcam and microphone/headset for audio-visual conferencing and chats.

**Course Requirements:**

- Two electronic quizzes/study guides worth 50 points each, tentatively due by 11:55 p.m. CT on 3/11/19 and 4/8/19. These will be open book, available on Blackboard for one week. [50 points each]
- Two perceptual voice ratings, which will involve listening to and rating voice samples. Due by 11:55 pm CT on 3/18/19. [30 points]
- Two instrumental evaluations in pretest/post-test format, using the designated acoustic analysis software, following protocol and report format specified in class. Due by 11:55 pm CT on 11/5/18. [30 points]
- Practical application assignment, requiring perceptual/instrumental evaluation and treatment planning. Due by 11:55 pm CT on 4/29/19. [100 points]
- Prevention assignment, requiring development of a vocal hygiene workshop for a designated population. This will satisfy your KASA prevention requirement. Due by 11:55 pm CT on 5/6/19. [30 points]
  - Extra Credit: Present your vocal hygiene workshop to your designated group. Request that the group leader send me a note on agency letterhead designating that you have done so by 5 pm on 5/10/2019. [10 points]
- Participation in weekly chats. [2 points each]

**Core Content & KASA Standards:**

**Core Objectives:**

- a. Define terminology relevant to voice disorders.
- b. Demonstrate understanding of the anatomic, physiologic, and neurologic bases for voice production.
- c. Explain the etiological bases for voice disorders.

- d. Demonstrate understanding of primary and secondary prevention procedures.
- e. Demonstrate understanding of the perceptual and instrumental parameters of voice evaluation.
- f. Demonstrate ability to develop a plan of treatment for voice-disordered patients.
- g. Demonstrate the ability to analyze current research in voice disorders, and explain relevance to SLP practice

<b>KASA Standard</b>	<b>Core Objective Addressed</b>	<b>Evaluation</b>
III.B. Demonstrate knowledge of basic voice processes, including their biological, neurological, acoustic, psychological, developmental, and linguistic and cultural bases	a, b	Quizzes, Chats
III.C. Demonstrate knowledge of the nature of voice disorders, including the etiologies and characteristics of oral, pharyngeal, esophageal, and related functions, such as oral function for feeding and orofacial myofunction.	b, c	Quizzes, Chats
III.D. Demonstrate knowledge of the principles and methods of prevention, assessment, and intervention for people with voice disorders.	d, e	Quizzes, Chats, Prevention Assignment
IV.G.1. Demonstrate assessment skill outcomes including: screening and prevention procedures; collect case history information; select and administer appropriate evaluation procedures; adapt evaluation procedures to meet client needs; interpret/integrate/synthesize all information to develop diagnoses/make recommendations; complete administrative and recording functions necessary to support evaluation; and refer clients for appropriate services.	e, g	Perceptual & Instrumental Assessment, Practical Application,
IV.G.2. Demonstrate intervention skill outcomes including: develop setting-appropriate intervention plans with measurable and attainable goals; collaborate in planning process; select or develop and use appropriate materials and instrumentation for prevention and intervention; measure and evaluate performance; modify plans/strategies /materials/ instrumentation as needed to meet client needs; complete administrative and recording functions necessary to support evaluation; and refer clients for appropriate services.	f, g	Practical Application
IV.G.3. Demonstrate interaction and personal qualities including: communicate effectively, recognizing needs/ values/preferred mode of communication, and cultural/ linguistic background of client/caregivers/etc.; collaborate in case management; provide counseling regarding voice to client/caregivers/ etc.; adhere to ASHA code of ethics and behave professionally.	a, b, c, d, e, f, g	Chats, Practical Application,

KASA Academic and Prevention Competencies covered only. Clinical competencies will NOT be covered within this class. Discuss need for voice experience with your externship supervisors. Remember that ASHA also includes volume, resonance, and sometimes prosody under the category of voice.

### **Course Policies:**

### ***Class:***

1. Students over the age of 18 are considered to be adults by Kentucky law. While I strongly recommend class attendance, the decision is yours. That being said, note that students are responsible for all information covered during class meetings, and presented on Blackboard. Access to the internet and appropriate computer hardware and software is your own responsibility.
  - a. Students are expected to meet all assignment deadlines punctually. If there is something that you do not understand, ASK.
  - b. 'Technical difficulties' must be overcome within two weeks to receive credit for an online quiz. No credit will be given once the answer key has been posted. No other make-up or late assignments will be accepted.
  - c. Note: MAC users tend to have more difficulty interfacing with university systems. The Instructional Technology department can be of assistance with difficulties involving access to university online functions, but the ultimate responsibility is yours. The (IT) help desk can be reached at 270-745-7000.
2. There are many variations of word-processing and media software. The following are required for this class:
  - a. Text: Microsoft Word (.doc or .docx), Adobe (.pdf) or Rich Text file (.rtf).
  - b. Media: Audio file (.wav), Windows Media (.wmv), Movie Player (Mp4), or VLC Media Player (.vlc).
3. Contact
  - a. The instructor will be available for questions during office hours, and by E-mail at your convenience. I will make every effort to respond within two business days. Consider posting questions on the discussion board, so that your peers may also benefit.
  - b. When contacting me by e-mail, type **SLP 508 in the title line**, then add a brief descriptor of the content. Like many faculty, I use a filter to prioritize student e-mail from the many received daily, enabling me to respond to your e-mail first.
  - c. All e-mail correspondence will be sent to your WKU e-mail address. You may forward this to your preferred e-mail account by following the instructions posted in the FAQ folder under 'Getting Started'. It is your responsibility to either forward your mail or check your WKU e-mail on a regular basis.
  - d. Please be aware that I will not answer the phone if I have a student in my office. If you have difficulty reaching me by phone, e-mail me for a phone appointment.
4. All assessments and assignments submitted are expected to be your individual original work. Please see the definition of plagiarism below. This also means no group submissions or cribbing off a sorority file or Facebook page, etc.
5. ASHA mandates adherence to the American Psychological Association's writing and style manual for all its publications. All quotes and paraphrased material in this class must be referenced according to **APA style**.
6. The instructor reserves the right to modify this syllabus as needed.
7. Communication Disorders Program Scoring Standards: A = 93-100% of total points; B = 85-92%; C = 77-84%; D = 68-76%; F = <68%, i.e. < 155/228 points.

### ***University:***

- To represent ideas or interpretations taken from another source as one's own is **plagiarism**. The academic work of the student must be his/her own. Give the original

authors credit for any source material used, whether print or electronic sources. Plagiarism will result in failure of the assignment involved. If unsure what constitutes plagiarism, refer to University guidelines at [http://www.wku.edu/Dept/Support/StuAffairs/StuLife/handbook/2004pdf/12\\_Academic%20Offenses.pdf](http://www.wku.edu/Dept/Support/StuAffairs/StuLife/handbook/2004pdf/12_Academic%20Offenses.pdf). All quotes and paraphrased material must be referenced according to **APA style**.

- Students with disabilities who require accommodations (academic adjustments and/ or auxiliary aids or services) for this course must contact the Office of Student Disability Services in the Student Success Center at Downing University Center A201. The telephone number is 745-5004/TTY: 745-3030. Please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from Student Disability Services.
- University Grievance Procedures are specified at:  
<http://www.wku.edu/StuAffairs/StuLife/handbook/2004pdf/16%20Student%20Grievance%20Procedure.pdf>

### ***Other:***

- The Department of Communication Disorders is accredited by the Council on Academic Accreditation (CAA) in Audiology and Speech-Language Pathology. Complaints about programs must be signed and submitted in writing to the Chair, Council on Academic Accreditation in Audiology and Speech-Language Pathology, American Speech-Language-Hearing Association, 2200 Research Blvd, Rockville, MD, 29050. The complaint must clearly describe the specific nature of the complaint and the relationship of the complaint to the accreditation standards, and provide supporting data for the charge. The complainant's burden of proof is a preponderance or greater weight of the evidence.

### **SLP 508 Weekly Topics:**

<b>Week</b>	<b>Dates</b>	<b>Topic</b>	<b>Week</b>	<b>Dates</b>	<b>Topic</b>
1	1/22-23	Anatomy	8	3/19-20	Medical Rx/Coding/Prevent. Goals & Objectives
2	1/29-30	Normal voice	9	3/26-27	Tx: Techniques
3	2/5-6	Voice Disorders	10	4/ 2-3	Tx: Special Populations
4	2/12-13	Disorders	11	4/ 9-10	Case Study - Q & A/
5	2/19-20	Evaluation- <i>Percept</i>	12	4/16-17	Tracheostomy
6	2/26-27	Evaluation- <i>Instr1</i>	13	4/23-24	Laryngectomy
--	3/ 4-8	<i>Spring Break</i>	14	4/30-5/1	Tx: Resonance
7	3/12-13	Evaluation- <i>Instr2</i>	--	5/6-10	<i>Exam Week</i>

The week for this class will run from Tuesday through Monday. Most assignments will be due by 11:55 pm CT on Mondays, unless otherwise noted.

Last modified: 1/8/2019