

University of South Florida Sarasota-Manatee
Language, Speech & Hearing Sciences post-baccalaureate online course sequence
Dept. of Communication Sciences and Disorders
College Behavioral and Community Sciences

SAMPLE Syllabus

SPA 3101: Anatomy & Physiology of the Speech and Hearing Mechanism ONLINE (3 credits)

Be sure to check your USF email regularly for class announcements and communications.

How to login to your USF email:

1. Login to blackboard
2. Stay on the Welcome screen
2. Scroll down to USF email services. Click the link to "gmail". This will take you to your USF mail.

If you have questions about the course or its content, rather than emailing me, please post them on the **Q&A Discussion Board** so everyone can benefit from the answers. How to do this:

1. Login to Blackboard
2. Click on our course
3. Click on Discussion Board on left menu bar
4. Click the Q&A link to enter
5. Click the +Thread box (top left) to post your question as a new thread, or continue an existing thread by adding further questions or comments
6. Click **SAVE** to save your thread and work on it later. If you save, **only you will see it.**
7. **Be sure to click SUBMIT to post the thread and allow me and others to view it.**

If you require technical assistance, please contact the USF Help Desk:

[E-mail us at help-ac@usf.edu](mailto:help-ac@usf.edu)

Or call 813-974-1222 or 1-866-974-1222.

COURSE DESCRIPTION AND OBJECTIVES

The purpose of this course is to familiarize students with the basic anatomy and physiology associated with speech, language, hearing, and related functions (chewing, swallowing). This knowledge will provide a foundation for understanding the anatomical basis of speech, language, hearing, and related impairments.

Upon completion of this course, the student will be able to:

1. Describe how the skeletal, muscular, respiratory, and nervous systems contribute to the processes of speech, language, hearing, and related functions.
2. List the anatomical components involved in the following processes: respiration, phonation, articulation, chewing, swallowing, hearing, cognition.
3. Explain the physiological processes associated with respiration, phonation, articulation, chewing, swallowing, hearing, cognition.
4. Detail the role of the brain in the processes of speech, language, and hearing.

5. Identify lifespan and cultural differences in the anatomical and physiological components of the speech and hearing mechanisms.
6. Incorporate anatomical and physiological information in descriptions of disordered communication processes.

This course is designed to provide a “knowledge and skills acquisition (KASA)” experience for students who are preparing to apply for the Certificate of Clinical Competence (CCC) in Speech Language Pathology from the American Speech-Language-Hearing Association (ASHA).

Specifically, the following KASA Standard will be met:

Standard III B: The student will acquire basic knowledge about human communication and processes -- biological, neurological, acoustic, psychological, developmental/lifespan, cultural.

This standard will be achieved through a combination of lecture presentations (on Blackboard), live online labs (via Elluminate), assigned readings, and other assignments. Your progress toward these goals will be measured by your performance on assignments, quizzes, and tests.

TEXTBOOK AND OTHER READINGS

Required text:

Seikel, J. A., King, D. W., & Drumright, D. G. (2005). *Anatomy & physiology for speech, language, and hearing* (3rd Ed.). Clifton Park, NY: Thompson Delmar Learning.

The CD that accompanies this text has important visuals and fun activities! Use of the CD will greatly enhance your learning experience and success in this course.

Recommended supplement:

Kapit, W. & Elson, L. M. (2002). *The anatomy coloring book*, 3rd Edition.

Selections from this text will be suggested for practice if you wish to do these activities.

TECHNOLOGY REQUIREMENTS

- Reliable, daily internet connection: high speed connection (DSL/cable) is highly recommended.
- Active USF NetID –To activate, follow the directions in [How to Get Started](#) on USF website. If you have difficulties connecting to Blackboard, contact the **Help Desk** ASAP:

[E-mail us at help-ac@usf.edu](mailto:help-ac@usf.edu)

Or call 813-974-1222 or 1-866-974-1222.

- Requirements for [Elluminate](#) (used for live, online labs):
 - Headset with microphone
 - 20 MB free disk space
 - 28.8 Kbps Internet connection

Windows Client	Mac Client	Linux Client
Windows 2000/XP/Vista Pentium III 500 MHz processor	Mac OS X 10.2.8, 10.3.9 or 10.4 G3, G4, G5 or Intel Processor	Red Hat Linux (RHEL4), Novell SUSE 9 or 10 Pentium III 500 MHz processor 256 MB RAM

COURSE DELIVERY

The course is organized into 6 sections of content, with each section lasting approximately 2 weeks:

1. Respiration
2. Phonation
3. Articulation & Phonation
4. Mastication & Deglutition (chewing/swallowing)
5. Hearing
6. Neurological correlates of LSH

For each section, you will be responsible for the following:

- Reading assignment with corresponding activities on the CD
- Viewing lecture and/or video
- Optional material in Anatomy Coloring Book
- Online quiz (first week)
- Discussion Board assignment (second week)

After every 2 sections (approximately every 4 weeks), there will be a lab and an exam.

Course material will be presented in two formats, as well as through readings and assignments:

1) Asynchronous (own your own) **lectures** (PowerPoint, videos, etc.) that will be posted on Blackboard. Lectures are intended to clarify reading and highlight important concepts and their application, with some opportunity to practice on your own.

2) Synchronous (live) **labs** will be presented live online via [Elluminate](#) three times during the semester, on Tuesday evenings from 6:00-8:30 pm EST (see schedule below). Participation in all labs is recommended. Labs will provide live interaction for questions, discussion, collaborative practice, and more opportunities for feedback. Attendance for labs is not mandatory, but is highly recommended. Labs will be recorded and available to view later on your own.

COURSE OUTLINE

Dates Week of...	Labs –live online (Elluminate)	Lectures –on your own (Blackboard)	Assigned reading, CD, optional Anatomy Coloring Book (ACB)	Assignments to submit
Week 1		Welcome week: Review Syllabus Basic elements of anatomy	Book: Ch. 2 CD: lesson 02-01 ACB: pp 1-2	Blackboard homepage
Week 2		Anatomy of respiration	Book: Ch. 3 CD: lessons in 03 ACB: pp. 27-30, 129, 134	Quiz 1: Respiration
Week 3		Physiology of respiration	Book: Ch. 4 CD: lessons in 04 ACB: pp. 50, 54, 135	Discussion Board (DB) 1: Respiration
Week 4		Anatomy of phonation	Book: Ch. 5 CD: lessons in 05 ACB: p. 132	Quiz 2: Phonation (build a larynx)

Week 5	Lab 1: Respiration & phonation	Physiology of phonation	Book: Ch. 6 CD: lessons in 06	DB 2: Phonation
Week 6	Exam 1: A&P of Respiration & phonation			
Week 7		Anatomy of Articulation and Resonation	Book : Ch. 7 CD: lessons in 07 ACB: pp. 24-26, 137-138	Quiz 3: Artic/reson.
Week 8		Physiology of Articulation and Resonation	Book: Ch. 8 CD: lessons in 08	DB 3: Artic/reson
Week 9	Lab 2: Articulation, resonation, chewing, swallowing	Physiology of Mastication and Deglutition	Book: Ch. 9 CD: lessons in 09 ACB: pp. 47, 137, 139	DB 4: Chew/swal.
Week 10	Exam 2: A&P of Articulation, resonation, mastication, deglutition			
Week 11	<i>SPRING BREAK! NO CLASS!!!</i>			
Week 12		Anatomy of Hearing	Book: Ch. 10 CD: lessons in 10 ACB: pp. 98-99	Quiz 5: Hearing
Week 13		Auditory Physiology	Book: Ch. 11 CD: lessons in 11	DB 5: Hearing
Week 14		Neuroanatomy I: CNS & PNS	Book: Ch. 12 pp. 495-566 CD: lessons in 12 ACB: pp. 70-73, 75-76	Quiz 6: Neuro
Week 15		Neuroanatomy II: Cranial nerves	Book: Ch. 12 pp. 566-620 CD: lessons in 12 ACB: pp. 83	DB 6: Neuro
Week 16	Lab 3: Hearing and neuro	Neurophysiology	Book: Ch. 13 CD: lessons in 13	Study for Exam 3!
Week 17	(Final exam week) Exam 3: A&P of Hearing and the brain			

ASSIGNMENTS

1. Blackboard homepage: Your Blackboard homepage is an opportunity to share information about you and for class participants to meet each other via the Blackboard online classroom. It will also allow you to practice using Blackboard for creation and submission of assignments. Five points will be awarded for on-time posting of your Blackboard homepage.

2. Quizzes: There will be 5 online quizzes (one for each section excluding #4), which will be posted in Blackboard under Quizzes. Quizzes cover the material in the chapters and CD. Each quiz counts for 15 points. You may use your textbook to answer the questions. You may also use the CD ROM material to help you answer the questions.

3. Discussion board: There are also 6 discussion board postings, one for each of the sections. The purpose of the discussion board is to provide application of what has been covered in class through exploration of case studies that a speech-language pathologist might see in a clinical setting. Discussion threads will be guided by the instructor and students will be able to view and comment on other participants' postings. Each discussion board posting will count for 20 points. Be sure to submit each discussion board posting before midnight on the due date indicated!

Penalty for late submissions:

Late assignments are not acceptable. Any late assignment will be penalized five points per day late up to a maximum of 3 days after the due date. Assignments submitted more than 3 days late will receive zero points.

EXAMS

There will be three (3) examinations. The exams will be non-cumulative in nature and will be worth 50 points each.

Each student is to complete these exams independently. Students are not allowed to work together on exams. Specific instructions on how to complete exams will be posted on Blackboard. **You will not be able to take or submit your exam past the indicated due date!**

GRADING

The point totals from the exams and assignments (homepage, quizzes, and discussion board posts) will be totaled, for 350 total possible points. Remember that late submissions will be penalized. Total accumulated points will be compared with the following letter grade percentage cut-offs:

Grade	Points earned	Percentage
A+	343-350	98-100%
A	326-342	93-97%
A-	315-325	90-92%
B+	308-314	88-89%
B	291-307	83-87%
B-	280-290	80-82%
C+	273-279	78-79%

C	256-272	73-77%
C-	245-255	70-72%

INCOMPLETE GRADES

An “I” grade may be awarded at the discretion of the instructor only when the student is otherwise earning a passing grade. Students are advised to initiate a written contract for incomplete grades. The contract should include a description of the work to be completed, the date by which the work is to be submitted and should be approved and signed by the course instructor.

ACADEMIC INTEGRITY/DISHONESTY

The USF policy on Academic Integrity and Academic Dishonesty which can be found at: <http://www.ugs.usf.edu/catalogs/0405/adadap.htm> will be followed in this course. Any form of cheating (including plagiarism) or aiding others who cheat on examinations constitutes unacceptable deceit and dishonesty and will result in an automatic grade of “F” for the course.

SPECIAL NEEDS

Students with disabilities are encouraged to consult with me as soon as possible. If you need course adaptations or accommodations because of a disability, a letter from the Office of Student Disability Services (SDS) is required. SDS is located in C107, phone 941-359-4741; TTY 941-359-4666.

RELIGIOUS OBSERVANCE

Students who anticipate the necessity of missing/postponing any class work due to the observation of a major religious observance must provide notice of the date(s) to the instructor, in writing, by the end of the second week of class.