



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Department of Rehabilitation Sciences
First Semester 2016-2017
Course Syllabus

Course Information	
Course Title	Anatomy and Physiology of Speech
Course Code	AS 221
Prerequisites	MED 218 or co
Course Website	http://elearning.just.edu.jo (class materials will be uploaded there)
Lecture time	
Lecture Location	
Instructor	Dr. Fadwa Khwaileh
Office Location	Faculty of Applied Medical Sciences
Office Hours	
Office Phone #	
E-mail	fakhwaileh@just.edu.jo
Teaching Assistant(s)	NA

Course Description
<p>This course is intended to provide basic anatomic and physiologic information concerning the respiratory, laryngeal, and supraglottal airway as it pertains to speech production. Particular emphasis will be devoted to the skeletal and muscular components of the structures involved and their movements. The speech mechanism will be treated as a biologic system and linguistic factors will not be covered extensively in this course. The course is also to generate practical interest in applying this information to clinical populations.</p>

Textbook	
Title	Anatomy and Physiology for Speech, Language, and Hearing.
Author(s)	J. Anthony Seikel, Douglas.W King, & David Drumright
Publisher	Thomson and Delmar Learning.
Year	2005

Edition	3 rd
Book Website	NA

Assessment		
Assessment	Semester Work	Final Work
Theory (2 credit hours)	60%	40%
Practical (0 credit hour)	0%	0%

Assessment Due Dates		
Assessment	Expected Due Date	Percentage
First Exam		30%
Second Exam		30%
Final Exam	TBA Registrar	40%

Course Objectives	Percentage
1. Full understanding of different human elementary tissues and detailed structure of skeletal and muscular system.	15%
2. Full understanding of the detailed structure of the respiratory system and function in relation to speech production.	25%
3. Full understanding of the detailed structure of the larynx and its function for speech production.	25%
4. Full understanding of the detailed structure of the oropharyngeal and nasal passages and their function for speech production and swallowing.	25%
5. Being familiar with neuroanatomy and physiology pertaining to speech production with specific emphasis on cranial nerves.	10%

Teaching & Learning Methods
1- Classes 2- PowerPoint presentation 3- DVD Demonstration 4- Visual presentation of Anatomical landmarks 5- Exercises
Learning Outcomes: Upon completion of this course, the student will be familiar with the following

Objectives	
Related Outcomes	Reference(s)
<ol style="list-style-type: none"> 1. The general structure of the human elementary tissues. 2. The more detailed structure of the human skeletal system. 3. The more detailed structure and function of the human muscular system. 4. The detailed structure of the respiratory system and functioning for speech purposes. 5. The detailed structure of the larynx and functioning for speech purposes. 6. The detailed structure of the oropharyngeal and nasal passages and functioning of these structures for speech purposes. 7. Basic knowledge of neuroanatomy and physiology pertaining to speech production. 	Chapters 2-9 &12+13 in the textbook

Course Content (the schedule is tentative depending on how we progress through the material)			
Week	Date	Topic	Chapters in Textbook
1		Introduction Basic Elements of Anatomy	1
2		Units of the body	2
3		Anatomy of Respiration	3
4		Physiology of Respiration	4
5		First Exam+ Paper back and discussion of questions	
6+7		Anatomy of Phonation	5
7+8		Physiology of Phonation	6
8+9		Anatomy of Articulation, Resonance and Deglutition (part 1)	7
10		Second Exam+ Papers back and discussion of questions	
11		Anatomy of Articulation, Resonance and Deglutition (part 2)	7
12		Physiology of Articulation and Resonance+ Physiology of Mastication and Deglutition	8+9
13		Neuroanatomy +Neurophysiolgy	12+13
	TBA	Final Exam	

Additional Notes/Polices	
Statement on Professionalism:	Professional behavior is expected of students at all times. Attitude and professional behavior are a minimum criterion for passing this class. Repeated lack of professional behavior will result in failure of the course. Examples of unprofessional behavior include but are not limited to: missing classes (see attendance policy), tardiness, lack of attention for a speaker, talking to others during lecture, passing food

	during lecture, leaving a lecture prior to its completion without prior authorization of the instructor, working on other class material during class, inappropriate dress for labs, and sleeping during class.
Cheating	All assignments and learning activities should be of the student's own work unless instructed differently. The instructor will follow JUST's roles and regulation in the cases of cheating in an exam and/or plagiarism.
Cell Phone:	Please do not use cell phones or pagers in class. If you are depended upon for anticipated emergencies please put cell phones on vibration mode and answer the phone outside the classroom.
Attendance:	Attendance will not count for points in this class, however attending the lectures and labs will greatly enhance your grade. The student is responsible for any information discussed in lecture and lab sessions. It is imperative to attend all classes!
Absences:	According to Student Manual (Item 8: B, C & D), students are not allowed to be absent for more than 10% of lectures without any official excuse (and more than 20% with an official excuse). If a student exceeds either cases, he or she will not be allowed to sit for future course exams and will be dropped electronically from the class unless the student had already withdrew from the course (according to item 13: B).
Make-up will be granted in the following cases only:	<p>Official university activities (with proper documentation).</p> <ul style="list-style-type: none"> <input type="checkbox"/> Extenuating circumstances (PRIOR approval should be obtained or direct contact made with the instructor within 24 hours). <input type="checkbox"/> Students should get official confirmation for these excuses from Assistant Dean of the Faculty of Applied Medical Sciences.
Feedback	Concerns, complaints, questions, and/or feedback are appreciated and will be important for the instructor. You can contact your instructor during office hours or using the e-mail: fakhwaileh@just.edu.jo