



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Audiology & Speech Pathology Department

AS221 Anatomy And Physiology Of Speech - JNQF Level: 7

First Semester 2023-2024

Course Catalog

3 Credit Hours. 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.

Teaching Method: On Campus

Text Book

Title	Anatomy and Physiology for Speech, Language, and Hearing.
Author(s)	J. Anthony Seikel, Douglas.W King, & David Drumright
Edition	3rd Edition
Short Name	Ref #1
Other Information	Thomson and Delmar Learning. 2005

Instructor

Name	Dr. Fadwa Khwaileh
Office Location	M5-L4#25
Office Hours	Sun : 10:30 - 11:30 Sun : 12:30 - 13:30 Mon : 10:30 - 11:30 Tue : 10:30 - 11:30 Tue : 12:30 - 13:30 Thu : 10:30 - 11:30
Email	fakhwaileh@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Sun, Tue, Thu : 13:30 - 14:30

Room: NORTH HALL

Prerequisites

Line Number	Course Name	Prerequisite Type
1112180	P.T218 Gross Anatomy & Histology	Pre./Con.

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Introduction: Basic Elements of Anatomy	From Ref #1
Week 2	Units of the body	From Ref #1
Weeks 3, 4	Anatomy of Respiration	From Ref #1
Week 5	Physiology of Respiration	From Ref #1
Weeks 6, 7	Anatomy of Phonation	
Week 8	Physiology of Phonation	From Ref #1
Weeks 9, 10, 11, 12	Anatomy of Articulation, Resonance and Deglutition	From Ref #1
Week 13	Physiology of Articulation and Resonance+ Physiology of Mastication and Deglutition	From Ref #1
Week 14	Neuroanatomy +Neurophysiolgy	From Ref #1

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Demonstrate knowledge in the general structure of the human elementary tissues. [3PLO1, 2PLO6] [5L7K1]	5%	First Exam
Demonstrate knowledge of the more detailed structure of the human skeletal system [3PLO1, 2PLO6] [5L7K1]	5%	First Exam, Second Exam, Final Exam
Demonstrate knowledge of the more detailed structure and function of the human muscular system. [3PLO1, 2PLO6] [5L7K1]	5%	First Exam, Second Exam, Final Exam

Demonstrate knowledge of the respiratory system and functioning for speech purposes. [15PLO1, 10PLO6] [25L7K1]	25%	First Exam, Second Exam, Quizzes
Demonstrate knowledge of the detailed structure of the larynx and functioning for speech purposes. [15PLO1, 10PLO6] [25L7K1]	25%	Second Exam, Quizzes
Demonstrate knowledge of the detailed structure of the oropharyngeal and nasal passages and their function for speech production and swallowing. [15PLO1, 10PLO6] [25L7K1]	25%	Final Exam, Quizzes
Demonstrate basic knowledge with neuroanatomy and physiology pertaining to speech production with specific emphasis on cranial nerves. [5PLO1, 5PLO6] [10L7K1]	10%	Final Exam

Relationship to Program Student Outcomes (Out of 100%)					
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6
59					41

Relationship to NQF Outcomes (Out of 100%)	
L7K1	
100	

Evaluation	
Assessment Tool	Weight
First Exam	25%
Second Exam	25%
Final Exam	40%
Quizzes	10%

Policy	
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	Make-up will be granted in the following cases only: Official university activities (with proper documentation). ? Extenuating circumstances (PRIOR approval should be obtained or direct contact made with the instructor within 24 hours). ? 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

Date Printed: 2024-03-26