



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

AS431 Cleft Palate - JNQF Level: 7

First Semester 2024-2025

Course Catalog

1 Credit Hours. This course covers the etiology and symptomatology of cleft lip/palate and other orofacial anomalies in children. Assessment and treatment procedures in the medical and communication arenas will be addressed. The students will be exposed to a variety of assessment and treatment factors involved in the multidisciplinary care of patients with cleft lip/palate and craniofacial conditions. There will be a particular focus on the speech-language and hearing issues. Assessment of cleft palate speech including perceptual clinical evaluation and instrumental procedures like Nasometry, pressure-flow methodology, and flexible videonasoscopy will be emphasized. In Addition, students will practice with perceptual rating of hypernasality.

Teaching Method: On Campus

Text Book

Title	Cleft Palate and Craniofacial Anomalies Effects on Speech and Resonance
Author(s)	Ann W Kummer
Edition	3rd Edition
Short Name	Ref #1
Other Information	

Instructor

Name	Dr. Fadwa Khwaileh
Office Location	M5-L4#25
Office Hours	
Email	fakhwaileh@just.edu.jo

Class Schedule & Room

Section 1:
 Lecture Time: Thu : 14:30 - 15:30
 Room: M4201

Prerequisites

Line Number	Course Name	Prerequisite Type
1142214	AS221 Anatomy And Physiology Of Speech	Prerequisite / Study

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Anatomy & Physiology of oral, facial and velopharyngeal structure	From Ref #1
Week 2	Embryology & Classifications of Cleft Lip & Palate	From Ref #1
Week 3	The Team Approach of cleft palate management	From Ref #1
Week 4	Surgical Management of clefts and velopharyngeal insufficiency/incompetency	
Week 5	Prosthetic management of clefts and craniofacial conditions	From Ref #1
Week 6	Orthognathic Surgery & Dental anomalies associated with cleft palate	From Ref #1
Week 7	Resonance disorders and velopharyngeal dysfunction	From Ref #1
Weeks 8, 9	Speech and resonance assessment	From Ref #1
Weeks 10, 11	Instrumental evaluation of resonance disorders	From Ref #1
Week 13	Speech Therapy: techniques, special considerations and target selection.	From Ref #1
Week 13	Low tech resonance therapy tools and techniques	From Ref #1
Week 14	Case studies	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Describe the embryology, the frequency, classification and etiology of cleft palate and other craniofacial deformities. [7PLO1, 3PLO6] [10L7K1]	10%	
Describe the surgical, medical and dental management procedures used in treating individuals with congenital craniofacial anomalies. [10PLO1, 5PLO4, 5PLO6] [15L7K1, 2L7S2, 3L7C4]	20%	
Identify the anatomical aspects, etiologies, and characteristics of voice, articulation, resonance, feeding/swallowing disorders associated with cleft palate. [15PLO1, 5PLO6] [15L7K1, 2L7S1, 3L7C4]	20%	

Describe the primary diagnostic procedures used for assessing cleft palate speech and velopharyngeal function, [7PLO2, 5PLO3, 5PLO4, 3PLO6] [7L7K1, 3L7S1, 5L7S3, 5L7C4]	20%	
Identify the primary treatment procedures for management of speech, resonance, language and hearing problems in infants, children and adults with cleft palate and craniofacial anomalies [5PLO1, 4PLO3, 5PLO4, 1PLO6] [4L7K1, 3L7S1, 3L7S3, 3L7C1, 3L7C4]	15%	
Demonstrate knowledge of collaborative team approach to craniofacial anomalies with specific emphasis on the role of the speech language pathologist. [1PLO1, 2PLO5, 2PLO6] [1L7K1, 1L7C1, 2L7C3, 1L7C4]	5%	
Perform clinical perceptual rating of different resonance disorders [5PLO3] [5L7S3]	5%	
Make informed decisions on treatment options for cleft palate speech based on differential diagnosis. [1PLO1, 1PLO3, 2PLO5, 1PLO6] [5L7C4]	5%	

Relationship to Program Student Outcomes (Out of 100%)					
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6
39	7	15	15	4	20

Relationship to NQF Outcomes (Out of 100%)						
L7K1	L7S1	L7S2	L7S3	L7C1	L7C3	L7C4
51.75	7.81	2	12.81	3.81	2	19.81

Evaluation	
Assessment Tool	Weight
Mid Exam	40%
Final Exam	40%
Assignments	20%

Policy	
Expected work	<p>Research Paper: Students will complete a research on certain genetic syndromes that has associated speech, language, and hearing problems. The paper is to be in outline format and is to include:</p> <ul style="list-style-type: none"> ? Description of the syndrome (physical, behavioral, developmental characteristics) ? Major systems affected ? Speech (resonance, voice, articulation, fluency) issues ? Language delays/disorders ? Audiologic/hearing concerns ? Oral motor issues ? Social issues ? Cognitive and learning problems and relationship to language ? Educational planning and intervention issues <p>Written work must be submitted in Microsoft Word (12-point font, with 1-inch margins). The paper should be in outline format. There is to be a minimum of two references, three preferred (only one reference electronic).</p>

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

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