



Form: Course Syllabus	Form Number	EXC-01-02-02A
	Issue Number and Date	2/3/24/2022/2963 05/12/2022
	Number and Date of Revision or Modification	
	Deans Council Approval Decision Number	2/3/24/2023
	The Date of the Deans Council Approval Decision	23/01/2023
	Number of Pages	06

1.	Course Title	Neuromotor Speech Disorders
2.	Course Number	1804425
3.	Credit Hours (Theory, Practical)	3 hours theory
	Contact Hours (Theory, Practical)	3 hours theory
4.	Prerequisites/Corequisites	0502107, 1804100, 1804309
5.	Program Title	Bachelor in Hearing and Speech sciences
6.	Program Code	4
7.	School/Center	University of Jordan- School of Rehabilitation Sciences
8.	Academic Department	Department of Hearing and Speech Sciences
9.	Course Level	Undergraduate
10.	Year of Study/Semester	Fourth year, 1 st semester 2024-2025
11.	Program Degree	Bachelor in hearing and speech sciences
12.	Other Departments involved in Teaching the course	None
13.	Main Teaching Instruction	English
14.	Learning Types	<input type="checkbox"/> Face to Face <input type="checkbox"/> Blended <input type="checkbox"/> Fully Online
15.	Online Platform(s)	<input type="checkbox"/> Moodle <input type="checkbox"/> Microsoft Teams
16.	Issuing Date	10/12/2020
17.	Revision Date	6-10-2024/ 8-10-2025

18. Course Coordinator

Name: Dua Qutishat, PhD-SLP, hcpc	Contact hours: Monday and Wednesday 11:30-12:30
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19. Other Instructors

None

20. Course Description

As stated in the approved study plan.

The nature of speech and language pathology, deviations from normal speech and language patterns, e.g., disorders of language, articulation, voice, and stuttering, aphasia and neuromotor speech disorders. Types, degrees, causes, signs, and symptoms of hearing loss; mechanisms of hearing; simple clinical tests and brief anatomy and physiology of the ear.

21. Program Learning Outcomes

Program Learning Outcomes Descriptors (PLOD)

PLO	National Qualification Framework Descriptors*		
	Knowledge (A)	Skills (B)	Competency (C)
1. Demonstrate knowledge from foundational courses; including basic sciences, medical sciences, and research methods to reflect on rehabilitation sciences practice	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Demonstrate knowledge of the role of audiologists and speech therapists in working with patients with communication and hearing disorders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Show knowledge of the basic principles and methods of prevention, assessment, and intervention for individuals with communication and hearing disorders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Apply evidence-based clinical skills (diagnosis, assessment, and intervention) in working with individuals with communication and hearing disorders.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Compose effective oral and written communication for clinical and professional purposes including the use of	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



information technology resources.			
6. Formulate interprofessional teams of healthcare providers, clients, communities, and organizations in traditional and emerging practices and illustrate the qualities of a lifelong learner.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Adapt leadership and management skills to advance Jordan and the global community scientifically, socially, and technologically in rehabilitation sciences.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Appraise scientific research that advances rehabilitation practices locally and globally.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9. Evaluate the needs of clients and develop comprehensive individualized rehabilitation plan and apply ethical principles to promote inclusion, participation, safety, and wellbeing for all clients.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*Choose only on descriptor for each PLO; either knowledge, or skills, or competencies.

22. Course Learning Outcomes: By the end of this course, the student is expected to achieve the following Learning outcomes:

1. Define the basic terms of speech pathology and code of ethics.
2. Find the difference between speech pathology and audiology by determining the role of speech pathologist and audiologist.
3. Explain the definition of language components and the main milestones of language and speech development.
4. Explain the speech components including articulation, voice, resonance, and fluency
5. Name the basic organs of communication and relate the organs of communication with their functions
6. Identify the differences between speech disorders including articulation, fluency, voice disorders, apraxia and dysarthria.
7. Identify the differences between language disorders including developmental language disorders and aphasia.
8. List the basic screening and evaluation goals and procedures for audiology and speech pathologies.
9. List the basic principles of speech and language therapy including evidence-based practice.

Matrix of Course Learning Outcomes according to National Qualification Framework Descriptors

CLO Number	Knowledge		Skills				Competencies
	Remember	Understand	Apply	Analyze	Evaluate	Create	
1	X						



2	X							
3		X						
4		X						
5	X							
6			X					
7			X					
8				X				
9				X				

23. Matrix linking Course Learning Outcomes (CLOs) with Program Learning Outcomes (PLOs)

CLO \ PLO*	1	2	3	4	5	6	7	8	9	**Descriptors		
										A	B	C
1.	X									X		
2.		X								X		
3.	X									X		
4.	X									X		
5.	X									X		
6.	X									X		
7.	X									X		
8.				X							X	
9.				X							X	

*Map each Course Learning Outcome to ONLY one Program Learning Outcome based on Courses Matrix

** Descriptors are assigned based on (PLO) that was chosen and specified in the program learning outcomes matrix in item (21)



23. Topic Outline and Schedule:

Week	Lecture	Topic	ILO/s Linked to the Topic	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous/ Asynchronous Lecturing	Evaluation Methods	Resources
1	1.1	Introduction to MSD	1	Face-to-Face	Face-to-Face	Synchronous	Evaluation, Participation, Quizzes, Exams	1,2
	1.2	Understanding Motor Speech Disorders	2	All same	All same	All same	All same	
	1.3	Code of practice in MSDs	2					
2	2.1	Neurologic Bases of Motor Speech and its Disorders	3,4					1,2
	2.2	Neurologic Bases of Motor Speech and its Disorders	3,4					
	2.3	Neurologic Bases of Motor Speech and its Disorders	3,4					
3	3.1	Examination of Motor Speech Disorders	5					1,2
	3.2	Examination of Motor Speech Disorders	5					
	3.3	Flaccid Dysarthria	5					
4	4.1	Flaccid Dysarthria	4					1,2
	4.2	Spastic Dysarthria	4					1,2
	4.3	Spastic Dysarthria	6					
5	5.1	Ataxic Dysarthria	7					1,2
	5.2	Ataxic Dysarthria	7					1,2
	5.3	Hypokinetic Dysarthria	7					
6	6.1	Hypokinetic Dysarthria	6					1,2
	6.2	Hyperkinetic Dysarthria	6					1,2
	6.3	Hyperkinetic Dysarthria	6					
7	7.1	Unilateral Upper Motor Neuron	6					1,2



Week	Lecture	Topic	ILO/s Linked to the Topic	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous/ Asynchronous Lecturing	Evaluation Methods	Resources
		Dysarthria						
	7.2	Mixed Dysarthria	6					1,2
	7.3	Apraxia of Speech	6					
8	8.1	Apraxia of Speech	7					
	8.2	Apraxia of Speech	1-7					1,2
	8.3	Instrumentation In MSDs						
9	9.1	Management of Dysarthrias						1,2
	9.2	Management of Dysarthrias	6					1,2
	9.3	Management of Apraxia of Speech	6					
10	10.1	Management of Apraxia of Speech	6					1,2
	10.2	Management of Apraxia of Speech	6					1,2
	10.3	Revision	6					
11	11.1	Teletherapy for MSDs	6,8,9					1,2
	11.2	AI & MSDs	6,8,9					1,2
	11.3	Ethics in MSDs	6,8,9					
12	12.1	Ethics in MSDs	6,8,9					1,2
	12.2	Management of MSDs	6,8,9					1,2
	12.3	Management of MSDs	6,8,9					
13	13.1	Management of MSDs	6,8,9					1,2
	13.2	Management of MSDs	6,8,9					1,2
	13.3	Files and reports	6,8,9					1,2
14	14.1	Files and reports	6,8,9					
	14.2	Files and reports	6,8,9					1,2
	14.3	Clinical studies	8,9					1,2



Week	Lecture	Topic	ILO/s Linked to the Topic	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous/ Asynchronous Lecturing	Evaluation Methods	Resources
15	15.1	Clinical studies	8,9					1,2
	15.2	Clinical studies	8,9					1,2
	15.3	Final Exam						1,2

25. Evaluation Methods:

Course Evaluation Plan											
Evaluation Activity		Mark*	Course Learning Outcomes								
			1	2	3	4	5	6	7	8	9
First Exam (mid exam)		30	X	X	X	X	X	X	X		
Second Exam		---									
Final Exam		50	X	X	X	X	X	X	X	X	X
Classwork		---									
Evaluation of Semester work	Projects\Reports	---									
	Research\Worksheets	---									
	Fieldwork visits	---									
	Clinical and practical performance	---									
	Portfolio	---									
	Presentations	---									
	Simulation/Modeling	---									
	Discussion	---									
	Quizzes	30	X	X	X	X	X	X	X	X	X
	Exercises	---									
	Interviews	---									
	Conferences	---									
Any other evaluation activities approved by the faculty committee		---									
Total Marks (100%)		100									

* According to the instructions for granting a bachelor's degree

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**According to the instructions of organizing semester work, tests, examinations, and grades for the bachelor's degree.

Mid-term exam descriptions table*

CL O no.	CLO Weight	Total no. of questions	Total exam mark	No. of questions per CLO	No. of questions/ cognitive level					
					Remember 30%	Understanding 20%	Applying 20%	Analyze 10%	Evaluate 10%	Create 10%



* A table of descriptions is added in the case of courses that require a second exam.

Final exam descriptions table

CLO no.	CLO Weight	Total no. of questions	Total exam mark	No. of questions per CLO	No. of questions/ cognitive level					
					Remember 30%	Understanding 20%	Applying 20%	Analyze 10%	Evaluate 10%	Create 10%

26. Course Requirements

(e.g.: students should have a computer, internet connection, webcam, account on a specific software/platform...etc.):

Equipments that will be used:

- Computer
- Overhead projector
- Speakers

Websites that will be used for readings:

- The University of Jordan website (E-Learning).
- American Speech, Language, and Hearing Association website
- Using audio- visual materials when possible (e.g., power point, DVDs, audio tapes)

Note:

Please make sure to check the E- Learning website a day before the lecture, download and print the worksheets or the reading material uploaded for the session.

27. Course Policy

A- Attendance policies:

- Attendance will be taken periodically throughout the semester.
- Students are expected to attend and actively participate in all classes.
- Students are expected to be on time.
- When the student is unable to attend class, it is a courtesy to notify the instructor in advance using either e-mail or phone.
- Repeated tardiness or leaving early will not be accepted.
- Students who miss class (or any portion of class) are responsible for the content. Any student who misses a class has the responsibility for obtaining copies of notes, handouts, assignments, etc. from class members who were present. If additional assistance is still necessary, an appointment should be scheduled with the instructor. Class time is not to be used to go over material with students who missed class (es).



- An absence of more than 15% of all the number of classes, which is equivalent of (5) classes, requires that the student provides an official excuse to the instructor and the dean.
- If the excuse was accepted the student is required to withdraw from the module.
- If the excuse was rejected the student will fail the module and mark of zero will be assigned as suggested by the laws and regulations of the University of Jordan. Please refer to pages 133, 134 of the student handbook.

B- Absences from exams and submitting assignments on time:

- The instructor will not do any make-up exams.
- Exceptions for make-up exams and late submission of class assignments will be made on a case-by-case basis for true personal emergencies that are described as accepted by the regulations of UJ (e.g., documented medical, personal, or family emergency).
- Make-up exams will be arranged if justifications for missing the exam satisfy the above. It is the student's responsibility to contact the instructor within 24 hours of the original exam to schedule a make-up session. A make-up exam should be taken within a week from the original exam date, unless the student can provide documentation that makes meeting that deadline impossible; otherwise, the recorded score for that exam for the student will be a zero.
- Late assignments will not be accepted and submission of assignments (due to unjustified absence from class) by other students will not be accepted regardless of how much work the student put into its preparation.

C- Health and safety procedures:

- Students will not be in direct contact with patients during this course.
- Students are not expected to use any heavy tools or equipment that might impose health and safety issues during this course.
- Students should work safely, including being able to select appropriate hazard control and risk management, reduction or elimination techniques in a safe manner in accordance with health and safety legislation.
- Students should understand the importance of and be able to maintain confidentiality.
- Students should understand the importance of and be able to obtain informed consent.
- Students should know the limits of their practice and when to seek advice or refer to another professional

D- Honesty policy regarding cheating, plagiarism, misbehavior:

- Students are expected to observe all University guidelines pertaining to academic misconduct.
- Any work submitted by a student for academic credit must be the student's own work. Submission of work taken directly from another source (e.g., book, journal, internet, clinic forms, or another student work) will be considered plagiarism and the student/group will get a zero grade for that work if part of an assignment. In addition, if copying occurred, both the student who copied the work and the student who gave material to be copied (if applicable) will receive a zero for the assignment.
- Students are expected to do work required for assignments on their own. Asking other instructors at the JU clinic or the staff, or other students to assist in or do any part of the assignment for them will negatively affect their grade on that assignment. The course instructor is the person the student needs to talk to if s/he has any difficulties pertaining to an assignment or project and is strongly encouraged to schedule an appointment with the instructor if such difficulties arise during the semester.
- Course materials prepared by the instructor, together with the content of all lectures and review sessions presented by the instructor are the property of the instructor. Video and audio recording of lectures and review sessions without the consent of the instructor is prohibited.
- Any forms of academic misconduct will be handled according to the University of Jordan guidelines.

E- Grading policy:

Grading for this course will be determined based upon the accumulation of points for variety of assignments and exams. All work will be evaluated on completeness, organization, clarity of information, and the integration and application of the material.

F- Available university services that support achievement in the course:

The University of Jordan provides many services to support social, health, and mental well-being of students in general and students



with disabilities in specific. Students are advised to visit the Faculty of Students Affairs to learn more about those services. If you are a student with a disability for which you may request accommodations, please notify the staff of Services for Student with Disabilities (Faculty of Students Affairs) as soon as possible. Please also contact the instructor as soon as possible (email is acceptable) so the appropriate accommodations for this course can be made.

28. References

A- Required book (s), assigned reading and audio-visuals:

Main Reference/s

YORKSTON, K., BEUKELMAN, D., STRAND, E. and HAKEL, M., 2012. *Management of motor speech disorders in children and adults*. 3rd ed. Austin, Texas: pro.ed.

B- Recommended books, materials, and media:

A list of suggested readings (journal articles) will be provided to during the course.

- ▶ Barnes, M and Good, D editors. (2013). Neurological rehabilitation. In Aminoff, M, Boller, F and Swaab, D. Handbook of clinical neurology. 110- 3rd series. Elsevier: Amsterdam.
- ▶ DUFFY, J.R., 2005. *Motor speech disorders; substrates, differential diagnosis, and management*. 2nd ed edn. USA: Elsevier Mosby.
- ▶ Love, R and Webb, W. (1992). Neurology of the Speech- language pathologist. 2nd ed. Butterworth-Heinemann.
- ▶ SWIGERT, N., 1997. *The source for dysarthria*. 1st edn. East Moline: LinguiSystems.
- ▶ YORKSTON, K., BEUKELMAN, D., STRAND, E. and HAKEL, M., 2012. *Management of motor speech disorders in children and adults*. 3rd ed. Austin, Texas: pro.ed.
- ▶ BATEMAN, C., LESLIE, P. and DRINNAN, M., 2007. Adult dysphagia assessment in the UK and Ireland: are SLTs assessing the same factors? *Dysphagia*, 22, pp. 174-186.
- ▶ BRITTON, R., 2009. *Macleod's clinical examination*. 12th ed edn. Churchill Livingstone: Edinburgh.
- ▶ DONALD, F., 2012. *Motor speech disorders, diagnosis and treatment*. 2nd ed edn. USA: Delmar.
- ▶ DUFFY, J.R., 2005. *Motor speech disorders; substrates, differential diagnosis, and management*. 2nd ed edn. USA: Elsevier Mosby.

29. Additional Information

Concerns or complaints should be expressed in the first instance to the module lecturer ; if no resolution is forthcoming , then the issue should be brought to the attention of the module coordination (for multiple sections) who will take the concerns to the module representative meeting . Thereafter, problems are dealt with by the Department Chair and if still unresolved the Dean and the ultimately the Vice President. For final complaints, there will be a committee to review grading



the final exam.

- For more details on University regulations please visit :

<http://www.ju.edu.jo/rules/index.htm>

Name of the Instructor or the Course Coordinator: Dr. Dua Qutishat	Signature: <i>Dua Qutishat</i>	Date: 8\10\2025
Name of the Head of Quality Assurance Committee/ Department: Dr. Hala Alomari	Signature:	Date:
.....
Name of the Head of Department: Dr. Hala Alomari	Signature: Hala Alomari	Date:
.....
Name of the Head of Quality Assurance Committee/ School or Center	Signature:	Date:
Lara khlaifat	L.K	2/11/2025
Name of the Dean or the Director	Signature:	Date:
Lara Khlaifat	L.K.....	2/11/2025