

1	Course title	Studies in Voice Disorders
2	Course number	1804784
3	Credit hours (theory, practical)	3 (theory)
	Contact hours (theory, practical)	3 (theory per week)
4	Prerequisites/corequisites	None
5	Program title	Masters of Speech-Language Pathology
6	Program code	1814
7	Awarding institution	The University of Jordan
8	School	School of Rehabilitation Sciences
9	Department	Department of Hearing and Speech Sciences
10	Level of course	Postgraduate- 2019/2020
11	Year of study and semester (s)	2019/2020, First semester
12	Final Qualification	Masters of Speech-Language Pathology
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English-Arabic
15	Date of production/revision	17/9/2019

16. Course Coordinator:

Name	Professor Yaser S. Natour, Ph.D, CCC-SLP
Rank	Full Professor
Office number	433
Office hours	Sunday (3-4) Monday(3-4)
Phone number	0777427071
Email addresses	y.natour@ju.edu.jo

17. Other instructors:

Office numbers, office hours, phone numbers, and email addresses should be listed.
N.A.

18. Course Description:

As stated in the approved study plan.

This course provides a presentation of the various disorders of the larynx; the nervous system influencing voice production, principles and procedures of diagnosis and treatment of voice

disorders; nature and etiology

19. Course aims and outcomes:

A- Aims:

Course aims and outcomes:

A. Knowledge and Understanding, students should

1. be able to develop basic terms and definitions related to voice disorders
2. be able to discuss the relationship between voice and respiration
3. be able to identify disorders and vocal abuse/misuse
4. be able to classify voice disorders according to their neuropathology
5. be able to identify different approaches of vocal rehabilitation

B. Intellectual skills

6. be able to evaluate voice disorders
7. be able to analyze evaluation results for the purpose of diagnosis and treatment
8. be able to developing activities for voice training
9. be able to measure progress and treatment efficacy

C. Practical skills

10. develop clinical skills and use in the treatment of patients with

voice disorders

11. elicit a sufficient acoustic samples
12. Write diagnostic reports and treatment plans
13. Select appropriate treatment methods

D. Transferable skills

14. Interviewing parents and clients
15. Counselling family members and clients
16. Improving communication skills and repair strategies
17. Writing behavioural objectives and measuring progress

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Anatomy and Physiology of the Vocal Mechanism Systems involved in Voice Production Function of the Larynx Laryngeal Cartilages	1 st	Yaser Natour	1, 2	Discussion	Casper, J., Leonard, R. (2006). <u>Understanding voice problems: A physiological perspective for diagnosis and treatment</u> . 3 RD Ed. Lippincott Williams & Wilkins: NY. Chapter 1 Boone et al. 2005; Chapter 11, 12 Casper, & Leonard (2006) Chapter 2 Stemple, J.C., Glaze, L.E., Klaben, B.G. (2000). <u>Clinical Voice Pathology: Theory and Management</u> . 3 rd Ed. Singular Publishing Group: California Chapter 1
Anatomy and Physiology of the Vocal Mechanism Extrinsic Laryngeal Muscles. -Intrinsic Laryngeal Muscles -Vocal Fold Anatomy and Physiology -Methods for Viewing the Vocal Folds	2 nd	Yaser Natour	3	Discussion	Casper, J., Leonard, R. (2006). <u>Understanding voice problems: A physiological perspective for diagnosis and treatment</u> . 3 RD Ed. Lippincott Williams & Wilkins: NY. Chapter 1 Boone et al. 2005; Chapter 11, 12 Casper, & Leonard (2006) Chapter 2 Stemple, J.C., Glaze, L.E., Klaben, B.G. (2000). <u>Clinical Voice Pathology: Theory and Management</u> . 3 rd Ed. Singular Publishing Group: California Chapter 2
Differential Voice Evaluation Etiologies of Voice Disorders Diagnostic Evaluation (Chapter 2, 4, 5 Boone et al. 2005; Chapter 4, 5, 6 Colton & Casper, 1996; Chapter 5 Stemple et al, 2000)	3 rd	Yaser Natour	4, 5, 6	Case reports	Casper, J., Leonard, R. (2006). <u>Understanding voice problems: A physiological perspective for diagnosis and treatment</u> . 3 RD Ed. Lippincott Williams & Wilkins: NY. Chapter 4,5,6 Boone et al. 2005; Chapter 4,5, Casper, & Leonard (2006) Chapter 4, 5, 6; Stemple, J.C., Glaze, L.E., Klaben, B.G. (2000). <u>Clinical Voice Pathology: Theory and Management</u> . 3 rd Ed. Singular Publishing Group: California Chapter 3,4p
Differential Voice Evaluation -Etiologies of Voice Disorders -Diagnostic Evaluation	4 th	Yaser Natour	7, 8, 9, 10	Case reports, presentation	Casper, J., Leonard, R. (2006). <u>Understanding voice problems: A physiological perspective for diagnosis and treatment</u> . 3 RD Ed. Lippincott Williams & Wilkins: NY.

					Chapter 5 Boone et al. 2005; Chapters 4, 5, 6;
Instrumental Measurement of Voice -Laryngeal Videostroboscopy -Acoustic Measurement and Analysis Chapter 5 Boone, 2005; Chapter 6 Stemple et al, 2000; Chapter 7 Colton & Casper, 1996)	5 th	Yaser Natour	1, 7, 8, 9, 10		Casper, J., Leonard, R. (2006). <u>Understanding voice problems: A physiological perspective for diagnosis and treatment</u> . 3 RD Ed. Lippincott Williams & Wilkins: NY. Chapter 7; Boone et al. 2005; Chapter 5; Stemple, J.C., Glaze, L.E., and Klaben, B.G. (2000). <u>Clinical Voice Pathology: Theory and Management</u> . 3 rd Ed. Singular Publishing Group: California. Chapter 7;
Instrumental Measurement of Voice -Aerodynamic Measurement and Analysis -Electroglottography -Electromyography -Advantages of Instrumental Measurements (Chapter 5 Boone, 2005; Chapter 6 Stemple et al, 2000; Chapter 7 Colton & Casper, 1996)	6 th	Yaser Natour	1, 2, 10, 11, 12		Casper, J., Leonard, R. (2006). <u>Understanding voice problems: A physiological perspective for diagnosis and treatment</u> . 3 RD Ed. Lippincott Williams & Wilkins: NY. Chapter 7; Boone et al. 2005; Chapter 6; Stemple, J.C., Glaze, L.E., and Klaben, B.G. (2000). <u>Clinical Voice Pathology: Theory and Management</u> . 3 rd Ed. Singular Publishing Group: California. Chapter 7;
Clinical Voice Management -Symptomatic Voice Therapy -Psychogenic Voice Therapy -Etiologic Voice Therapy -Physiologic Voice Therapy -Eclectic Voice Therapy	7 th	Yaser Natour	1, 2, 10, 11, 12		Casper, J., Leonard, R. (2006). <u>Understanding voice problems: A physiological perspective for diagnosis and treatment</u> . 3 RD Ed. Lippincott Williams & Wilkins: NY. Chapter 7; Boone et al. 2005; Chapter 6; Stemple, J.C., Glaze, L.E., and Klaben, B.G. (2000). <u>Clinical Voice Pathology: Theory and Management</u> . 3 rd Ed. Singular Publishing Group: California. Chapter 7;
Clinical Cases to be discussed and Presented -Vocal Abuse and Misuse -Functional Aphonia -Puberphonia -Vocal Edema -Vocal Nodules (DVD Boone et al. 2005, Chapter 6 Stemple 2000)	8 th	Yaser Natour	1, 2, 12, 13		Boone et al. 2005; DVD 6; Stemple, J.C., Glaze, L.E., and Klaben, B.G. (2000). <u>Clinical Voice Pathology: Theory and Management</u> . 3 rd Ed. Singular Publishing Group: California. Chapter 6;
Mid-term exam (30%)					
Clinical Cases to be discussed and Presented -Neurogenic Voice Disorders-Aging	9 th	Yaser Natour	1, 2, 12, 13		Casper, J., Leonard, R. (2006). <u>Understanding voice problems: A physiological perspective for diagnosis and</u>

etiologies -Benign Legions -Carcinoma					treatment. 3 RD Ed. Lippincott Williams & Wilkins: NY. Chapters 5, 6; Boone et al. 2005; DVD; Stemple, J.C., Glaze, L.E., and Klaben, B.G. (2000). <u>Clinical Voice Pathology: Theory and Management</u> . 3 rd Ed. Singular Publishing Group: California. Chapter 7;
Clinical Cases to be discussed and Presented -Neurogenic Voice Disorders-Aging etiologies -Benign Legions -Carcinoma	10 th	Yaser Natour	1, 2, 12, 13		Casper, J., Leonard, R. (2006). <u>Understanding voice problems: A physiological perspective for diagnosis and treatment</u> . 3 RD Ed. Lippincott Williams & Wilkins: NY. Chapters 5, 6; Boone et al. 2005; DVD; Stemple, J.C., Glaze, L.E., and Klaben, B.G. (2000). <u>Clinical Voice Pathology: Theory and Management</u> . 3 rd Ed. Singular Publishing Group: California. Chapter 7;Chapter 6
Laryngectomy Rehabilitation -Electronic Larynx -Esophageal Speech -Tracheoesophageal Speech -Human Larynx Transplant	11 th	Yaser Natour	14, 15, 16		Boone et al. 2005; Chapter 8; Stemple, J.C., Glaze, L.E., and Klaben, B.G. (2000). <u>Clinical Voice Pathology: Theory and Management</u> . 3 rd Ed. Singular Publishing Group: California. Chapters 9,10
Laryngectomy Rehabilitation -Electronic Larynx -Esophageal Speech -Tracheoesophageal Speech -Human Larynx Transplant Voice Treatment report	12 th		17, 18		Boone et al. 2005; Chapter 8; Stemple, J.C., Glaze, L.E., and Klaben, B.G. (2000). <u>Clinical Voice Pathology: Theory and Management</u> . 3 rd Ed. Singular Publishing Group: California. Chapter 9
Velopharyngeal Insufficiency -Anatomy and Physiology of the Normal Velopharyngeal Port -Anatomy and Physiology of the Abnormal Velopharyngeal Port – Assessment and Treatment Methods.	13 th		17,18		Bzoch, R. (1997). <u>Communication Disorders Related to Cleft Lip and Palate</u> . 4 nd d. Po-Ed: Texas. Chapters 1,2, Selected articles
Velopharyngeal Insufficiency Lab Velopharyngeal Dimensions Measurement and the Creation of a Blueprint (Chapters 14, 15 Bzoch, 1997).	14 th		17, 18		Bzoch, R. (1997). <u>Communication Disorders Related to Cleft Lip and Palate</u> . 4 nd d. Po-Ed: Texas. Chapters 1,2, Selected articles
Velopharyngeal	15 th		17.18		Bzoch, R. (1997).

Insufficiency Lab Velopharyngeal Dimensions Measurement and the Creation of a Blueprint (Chapters 14, 15 Bzoch, 1997). Final Exam (40%)					<u>Communication Disorders Related to Cleft Lip and Palate. 4nd d. Po-Ed: Texas. Chapters 14, 15 Selected articles</u>
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21. Teaching Methods and Assignments:

Select if applied	Instructional Methods	Learning Activities (Examples)
X	Direct Instruction	<ul style="list-style-type: none"> • Structured orientation lectures • Skills and procedures demonstrations
X	Interactive Instruction	<ul style="list-style-type: none"> • Seminars and discussions
	Experiential Learning	<ul style="list-style-type: none"> • Experiential learning in clinical setting (if possible) • Simulation
X	Independent Study	<ul style="list-style-type: none"> • Self-directed literature review and synthesis to address problems in a specific case study • Reflective Journaling • Watching video clips
	Blended Learning	<ul style="list-style-type: none"> • Combined face-to-face classroom practices with computer-mediated activities regarding content and delivery of course topics
X	Evidence- Based Practice	<ul style="list-style-type: none"> • Integrate research methods & results in the learning process • Reflective assignments & projects
	Other (please specify)	

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Exams		
Exam	Date	Grade
Midterm	21-3-2018 (estimated date)	30%
Final	Will be announced by the University	40%
Quiz	Written exam	30%
Assignments		
Assignment 1:		
<u>Assignment description:</u>	N.A	

<u>Assignment objective:</u>	
<u>Assignment due date:</u>	
<u>Grade:</u>	
<u>Rubric:</u>	

23. Course Policies:

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 handing in 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, quizzes, exams, in-class, and home-based course related activities. 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.

24. Required equipment: (Facilities, Tools, Labs, Training....)

TF32 for voice analysis

25. References:

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

1. Boone, D., McFarlane, S., and Von Berg, S. (2005). *The Voice and Voice Therapy*. 7th Ed. Pearson: Boston.

2. Casper, J., Leonard, R. (2006). Understanding voice problems: A physiological perspective for diagnosis and treatment. 3RD Ed. Lippincott Williams & Wilkins: NY.

3. Stemple, J.C., Glaze, L.E., and Klaben, B.G. (2000). Clinical Voice Pathology: Theory and Management. 3rd Ed. Singular Publishing Group: California.

4. Stemple, J.C. (2000). Voice Therapy: Clinical Studies. 2nd Ed. Singular Publishing Group: California.

5. Bzoch, R. (1997). Communication Disorders Related to Cleft Lip and Palate. 4nd d. Po-Ed: Texas.

B- Recommended books, materials, and media:

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

26. Additional information:

Attending evaluation and therapy sessions is required

Name of Course Coordinator: Professor Yaser Said Natour Signature: ..  Date: 17-9-2019

Head of curriculum committee/Department: Dr. Hanadi Bani Hani

Signature: H.B.H

Head of Department: Dr. Hanadi Bani Hani

Signature: -H.B.H

Head of curriculum committee/Faculty: Prof. Ziad Hawamdeh

Signature :Z.H.

Dean: Professor Ziad Hawamdeh Signature: Z.H.