



THE UNIVERSITY of NORTH CAROLINA
GREENSBORO

Department of Communication Sciences and Disorders

CSD 457/557 Pediatric Aural Rehabilitation

Spring 2021 Syllabus

Instructor: Dr. Onyinyechi Ukaegbe, MBBS, MSc. (Audiology for ENT Practice), FWACS

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COURSE INFORMATION

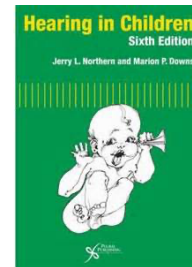
For Whom Planned: This course is planned for undergraduate and graduate students in Communication Sciences and Disorders. It is directed to students majoring in both Speech Language Pathology and Audiology. Additionally, this course is also a requirement for some students majoring in Education of Deaf Children.

Course Description: Study of Pediatric (Re)habilitation available for children with hearing impairment and the impact of new technologies on therapy and teaching. This spring, the course materials will be taught completely ONLINE, with all instruction materials and assessment conducted through CANVAS.

Course Purpose: Hearing loss adversely affects many children in the United States. It is estimated that 1.7 per 1000 newborns have significant hearing loss (source CDC), and many of these children are benefiting from aural rehabilitation/habilitation services and new hearing technologies used at home and in school settings. This course is designed to study methods of pediatric aural rehabilitation and related hearing technologies available to help children with hearing impairment and to learn about the impact of these new technologies in therapy and teaching environments.

Textbooks: There will be one required textbook for this course. Reading assignments will be posted in Modules on CANVAS.

Required Textbook: Northern and Down, Hearing in Children, Edition 6



UNITS OF STUDY

This course is divided into 3 Units. Each unit has 4 lessons. The units of study are:

1. Identification and Diagnosis of Childhood Hearing Loss
2. Aural Rehabilitation Methods
3. Cochlear Implants

Student Learning Outcomes: Upon completion of this course, students will:

- A. Differentiate various pathologies that put infants and children at risk for congenital and acquired hearing loss.
- B. Explain test measures from the different objective test procedures used to assess infant hearing.
- C. Explain the major components, uses and operation of cochlear implants.
- D. Explain the major components and operation of digital hearing instruments.
- E. Explain the major components and operation of sound field systems.
- F. Differentiate the different candidacy requirements currently utilized for cochlear implantation for infants and young children.

COURSE ASSIGNMENTS

1. Discussion Boards:

100 points total. As you work through each unit, lessons will have specific assignments where students will post to the discussion boards. These discussion board postings will be graded assignments (10 points each). Students are required to post to 10 discussion assignment boards (100 points total).

Discussion Board Topics:

1. Genetic Causes of Hearing Loss
2. High Risk Register
3. ABR and OAE screening
4. Acquired Hearing Loss: Noise exposure and ototoxic medications
5. Auditory Processing Disorder Article Review
6. ASL browser exercise
7. Sound Field systems
8. Digital hearing aids reflective piece
9. Cochlear Implant candidacy
10. Cochlear Implant companies and Mapping

Each student will be required to contribute to online class discussions by POSTING to discussion threads. Students will have one week to complete each lesson and to post on the discussion board topic. If posts are late one day, half the points will be taken off. After 48 hours, no credit will be given for post.

HONORS STUDENTS: Honors students will submit extra assignment (100 points) to fulfill the Honors Program requirement (e.g., A discussion on children-friendly CI features that are unique to each CI company or a description of the assistive listening devices that may be beneficial to hearing impaired children in classrooms). The choice of the topic will be determined based on the instructor's discussion with the students. This assignment is due April 26.

GRADUATE STUDENTS: Graduate students will be expected to complete a 10 to 15 minutes video presentation focused on a Hearing pathology or a CI topic (100 points). The choice of the topic will be determined based on the instructor discussion with the students. This assignment is due April 26.

2. Group Presentation

50 points total. Current Topics in Pediatric Cochlear Implants. (SLO, C &F). At the beginning of the course, each student will be placed into a small active learning group. Each group will be assigned a Cochlear Implant (CI) topic to research and present as a 15- to 20-minute video presentation. These topics

include music perception with CIs, brain plasticity, unilateral hearing loss and CIs, language development using a CI, and CIs and auditory neuropathy. Each group will need to review 3-5 professional journal articles on the assigned topic. These articles will need to be listed at the end of the video presentation.

Each student is expected to participate. You will receive a group grade for this presentation. Group Presentations will need to be posted on CANVAS by the due date. This presentation is part of your final test grade.

3. Tests

250 points total. There will be 3 online tests at the conclusion of each unit. 100 points each for the first two tests and 50 points for the final test (the group presentation will make up 50 points of the final assessment), These will be multiple choice, ordering, and true false questions. *Test is closed book.*

EVALUATION AND GRADING CRITERIA

UNDERGRADUATE GRADING SCALE

Discussion Board post (10 x10 points each)	100 points
Tests (3 tests)	250 points
Group Presentation	50 points
Total	400 points

UNDERGRADUATE HONORS GRADING SCALE

Discussion Board post (10 x10 points each)	100 points
Tests (3 tests)	250 points
Group Presentation	50 points
Essay	100 points
Total	500 points

GRADUATE GRADING SCALE

Discussion Board post (10 x10 points each)	100 points
Tests (3 tests)	250 points
Group Presentation	50 points
Video Presentation	100 points
Total	500 points

GRADING SCALE

Undergraduate Scale (%)	Honors and Graduate Scale (%)	Letter Grade
100-94	100-94	A
93.99-90	93.99-90	A-
89.99-87	89.99-87	B+
86.99-84	86.99-84	B
83.99-80	83.99-80	B-
79.99-77	79.99-77	C+
76.99-74	76.99-74	C
73.99-70	73.99-70	C-
69.99-67		D+
66.99-64		D
63.99-60		D-
59.99 and below		F

Questions about grades:

For any questions concerning, grades the student must contact me within 2 days/48 hours after assignment grade is posted to arrange for an appointment to talk about the dispute, otherwise the grade is final.

HONOR CODE

All students are expected to adhere to the Academic Integrity Policy as published in the UNCG Student Handbook. This code of conduct is online at: <http://studentconduct.uncg.edu/>

LEARNING DIFFERENCE AND DISABILITIES

Students with documented physical or learning differences and/or disabilities can have appropriate arrangements made for completion of all class and assessment experiences. Please contact the instructor to discuss recommendations from Student Disability Services prior to any evaluation or assignment.

TECHNOLOGY REQUIREMENTS

A “**SECURE HIGH SPEED**” Internet connection is required for this course. It is student’s responsibility to check for required Internet access before accessing CANVAS account, quizzes, reflection paper submission and final exam. **Any technical reasons will not be accepted as an excuse for missing due date for assignments or quizzes or final exam or inability to access readings posted on CANVAS.**

Technical support:

If you are experiencing any technical problems with the course website, please contact the 6-TECH Online (<https://its.uncg.edu/services>). This is the quickest way to receive assistance on issues regarding the website or software required for the course.

INTERACTION WITH THE INSTRUCTOR

The instructor is available by email. E-mail communication will be conducted by means of the UNCG ISPARTAN EMAIL SYSTEM or via CANVAS. Please add CSD 457/557 as part of the subject for easy identification.

PLEASE NOTE

It is your responsibility to complete the requirements on time to earn your grade. I do not round up or down when giving your final grade. The Final grade is based on the points that you earn throughout the Semester.

Course due dates are posted on the class calendar. I strictly adhere to these deadlines!!! You will receive a "0" if you do not submit an Assignment/test by the deadline. All assignments and activities are to be completed and submitted through the designated assignment link by 11:59pm est on the date listed on the course calendar.