

DEPARTMENT OF SPECIAL EDUCATION

	SEMESTER:	2. 2007/08
LEVEL:	300	
TITLE:	Paediatric Audiometric	
CR. HRS:	2cr. Hr	
COURSE STRATEGY:	Lecturing and Demonstrations	

Course Description/Goals

This course is meant for professional skills acquisition in terms of checking for hearing and speech impairment among children. By the end of the course, students are expected to learn the local and foreign tests on speech and articulation and have skills to design tests in their own languages.

Course Outline

1. Revision of the speech and hearing mechanisms.
2. Definition of terms: Paediatric; Audiometry; speech impairment; audiogram.
Conductive hearing loss; sensorineural hearing loss; retrocochlear hearing loss; diagnosis; assessment; screening; false positive values; true positive (**Quiz-20%**)
3. Identification for speech and hearing impairment (p.21) checklist for speech and hearing loss (p.135) (See Reference: Gadagbui, 2003)
4. Screening children's hearing: Its importance
5. The requirement for neonatal hearing screening
6. Available tests for children
Neonatal Screening Device
 - BOA
 - ABR
 - Crib-o-gram
 - Auditory response Cradle (ARC) etc.
 - Oto-Acoustic Emission (OAE)
7. What does it take to develop assessment tools for screening hearing, language. And speech impairment in children? Students to work in groups to consider criteria.
(Quiz -20)
8. Behavioural hearing tests for children
 - Distraction test- (6- 18 months)
 - Co-operation Test- (18- 30 months)
 - Performance Test- (30- 42 months)
 - Visual Reinforcement Audiometry) (6 months 3 years)
 - Pure Tone Audiometry (3 years and above)
9. Speech and Articulation Tests; Techniques in administering these tests.
 - Local test: Eve; Fantse & Twi; Ga

Course Requirement

Attendance is necessary	
Continuous Assessment	40%
Exams	60%

References/ Recommended Text books

Gadagbui, G. Y. (2003). **Screening for hearing of speech impairment in children**
Accra: Salt 'N' Light.

Gadagbui, G.Y. (1998). **A handbook of speech and hearing impairment**
Accra North; City publishers.

Gadagbui, G. Y. (2001). **Anatomy and physiology of the speech mechanism.**
Winneba; Dept. of Special Education, Winneba

Any other text book(s) from library; internet