

CORE 12093- Fundamentals of Hearing

Status	Core
No of Hours	45 hours
No of Credits	3
Learning Outcomes	<ul style="list-style-type: none">• Demonstrate understanding of basic concepts related to normal and abnormal hearing; testing of hearing.• Demonstrate understanding of the management and interventions of children and adults with deafness (appropriate amplification; basic care and maintenance of hearing aids; optimal listening and learning environments for deaf children).
Methods of Teaching and Learning	Lectures, lab-based learning
Module content	<p>Unit 1</p> <ul style="list-style-type: none">• Definition of impairment, disability and participation restriction.• Incidence and prevalence of hearing impairment and communication impairment and disabilities• Types and etiology of hearing impairment• Description of the features of communication difficulties related to hearing impairment• Differential diagnosis from related conditions <p>Unit 2</p> <ul style="list-style-type: none">• Introduction to basic terminology and concepts in acoustics (frequency/pitch, amplitude/loudness, intensity-Pressure)• Classification of hearing tests: subjective vs. objective methods• Hearing thresholds, interpretation of audiograms• Types of amplification and maintenance of hearing aids & cochlear implants• Maximizing the hearing environment
Assessment	MCQ 50% + SEQ 20% (2 hours), OSCE 30% (1hr)