

B.Sc. in Audiology & Speech Pathology / Audiology Study Plan

■ University Compulsory Courses 16 C.H

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■ University Elective Courses 9 C.H

Pages (64 & 65)

■ Faculty Compulsory Courses 27 C.H

Line No.	Code	Course	
102181	MED218A	GROSS ANATOMY & HISTOLOGY	3
102182	MED218B	GROSS ANATOMY & HISTOLOGY (LAB)	0
102304	MED230A	HUMAN PHYSIOLOGY	3
102305	MED230B	HUMAN PHYSIOLOGY (LAB)	1
103021	MED302A	MEDICAL ETHICS	1
183111	PH311A	BIOSTATISTICS	2
911031	CHEM103A	GENERAL CHEMISTRY	3
911072	CHEM107B	GENERAL CHEMISTRY LAB	1
921031	PHY103A	GENERAL PHYSICS	3
931030	BIO103	GENERAL BIOLOGY	3
931070	BIO107	GENERAL BIOLOGY (PRACTICAL)	1
1114580	P.T458	MANAGEMENTS IN ALLIED MEDICAL SCIENCES	3
1731160	CS116	SELLECTED PROGRAMMING LANGUAGES (FOR NON COMPUTER SCIENCE INFORMATION STUDENTS)	3

■ Department Compulsory Courses 33 C.H

Line No.	Code	Course	
1141040	AS104	INTRODUCTION TO SPEECH & AUDIOLOGY	3
1141060	AS106	CHILD DEVELOPMENT & PSYCHOLOGY	3
1142110	AS211	GENERAL LINGUISTICS	3
1142130	AS213	LEARNING THEORIES & DISABILITIES	3
1142200	AS220	LANGUAGE DEVELOPMENT FOR NORMAL & HEARING-IMPAIRED CHILDREN	3
1142280	AS228	PHONETICS: THEORY & APPLICATION	3
1142420	AS242	PHYSIOLOGY & ANATOMY OF HEARING AND SPEECH	2
1143170	AS317	ACOUSTICS	3
1143210	AS321	DISEASES OF ENT	3
1143550	AS355	CLINICAL PSYCHOLOGY & PRINCIPLES OF BEHAVIOR MODIFICATION	3
1144030	AS403	SPECIAL EDUCATION & TEACHING OF DEAF	3
1144930	AS493	RESEARCH PROJECT	1

■ Specialization Compulsory Courses 47 C.H

Line No.	Code	Course	
102121	MED212A	PATHOLOGY	3
102222	MED222B	BIOCHEMISTRY	3
102234	MED223D	BIOCHEMISTRY (LAB)	1
102261	MED226A	NEUROSCIENCE (1)	3

102262	MED226B	NEUROSCIENCE 1 (LAB)	0
102422	MED242B	MICROBIOLOGY	3
102430	MED243	MICROBIOLOGY (LAB)	1
1143370	AS337	AUDIOLOGICAL EVALUATION (1)	3
1143371	AS337	AUDIOLOGICAL EVALUATION(1) LAB	0
1143390	AS339	AUDIOLOGICAL EVALUATION (2)	3
1143391	AS339	AUDIOLOGICAL EVALUATION (2) (LAB)	0
1143540	AS354	HEARING AIDS	3
1143541	AS354	HEARING AIDS (LAB)	0
1143570	AS357	CLINICAL PRACTICUM / AUDIOLOGY (1)	2
1143720	AS372	CLINICAL PRACTICUM /AUDIOLOGY (2)	2
1143721	AS372	CLINICAL PRACTICUM /AUDIOLOGY (2) (LAB)	0
1144340	AS434	INSTRUMENTATION AND CALIBRATION OF AUDIOLOGY EQUIPMENT	2
1144530	AS453	CLINICAL PRACTICUM AUDIOLOGY (3)	3
1144550	AS455	COCHLEAR IMPLANTS AND HEARING REHABILITATION	3
1144580	AS458	PEDIATRIC AUDIOLOGY	3
1144581	AS458	PEDIATRIC AUDIOLOGY (LAB)	0
1144740	AS474	CLINICAL PRACTICUM AUDIOLOGY (4)	3
1144750	AS475	AUDITORY REHABILITATION & VESTIBULAR ASSESSMENT & INDUSTRIAL AUDIOLOGY	3
1144980	AS498	AUDITORY EVOKED POTENTIAL	3

TOTAL

132 C.H

*** For prerequisite & equivalent courses see
the Courses' Description.**

B.Sc. in Audiology

Courses' Description

AS 353 Clinical Psychology & Principles of Behavior Modification 3 C.H

- It provides students with a theoretical overview of clinical interventions emphasizing a cognitive/behavioral orientation.
- It then aims at developing skills in clinical interventions including techniques and strategies related to various orientations with an integrative approach
- Finally, the course aims at providing students with applications of behavioral and social learning principles in psychiatric rehabilitations. *(Prerequisite AS 213)*

AS 354 Hearing Aids (3C.H ; 2 Theo , 1Prac)

- The basic knowledge of all types and models of hear aids and components.
- Ear mould and Human ear canals including human ear canals and its dynamic aspects, impression technique, ear mould modifications and the acoustic of ear moulds and tubing.
- Daily hearing check up and hearing aid performance measurements. Troubleshooting and management of hearing aid and ear moulds. *(Prerequisite: AS 337)*

AS 357 Clinical Practicum/ Audiology I 2C.H (2 Pract)

- Observation of clinical activities in conjunction with discussion of clinical issues.
- The clinical process and nature of the client-clinician relationship are stressed.
- Basic concepts of clinical practice, including models of diagnosis, fundamentals of clinical data collection and measurement, treatment planning, professional writing. *(Prerequisite: AS 337 or Corequisite)*

AS 372 Clinical Practicum/ Audiology / 2 2 C.H (2 Pract)

- Further observations of clinical activities and investigation of the clinical process with an emphasis on diagnostics, assessment tools, and methodologies in audiology.
- Advanced concepts of clinical practice, , clinical decision making, generalization, transfer and Maintenance, models of service delivery, ethical practice, advanced professional writing. *(Prerequisite: AS 357)*

AS 403 Special Education & Teaching of deaf 3C.H

- Nature of special education.
- Family participation.
- Related physical, psychological & social services. *(Prerequisite: AS 301)*

AS 434 Instrumentation and calibration 2 C.H (1Th, 1Prac)

- Study of basic electronics, electroacoustic equipment, technique for measuring sound properties and equipment of calibration. *(Prerequisite: AS 337)*

AS 453 Clinical Practicum Audiology /3 3 C.H (Prac)

Audiology Hearing Testing; Differential diagnosis of hearing disorders.

- Methods involved in complete diagnostic audiology and liaison with medical personnel. Students may be assigned to one of several centers. *(Prerequisite: AS 372)*

AS 455 Cochlear Implants and Hearing Rehabilitation (2 Theo , 1Prac) 3C.H

- The importance of cochlear implants and the patients in need for them
- The determinants of the success of cochlear implants
- How the cochlear implant works.
- The different kinds of implants. *(Prerequisite: AS 354)*

AS 458 Pediatric Audiology (3CH; 2 Theo, 1Prac)

- Application of audiologic test procedures and rehabilitation techniques which are appropriate for paediatric patients.
- Study of risk criteria and screening protocols for neonatal, infants, preschool and school children.
- Supervised practical training on the pediatric hearing assessment including neonatal screening, behavioral hearing tests, Otoacoustic emission; and brainstem evoked response audiometry. *(Prerequisite: AS 337)*

AS 474 Clinical Practicum Audiology /4 (3C.H Prac)

- Audiology Hearing Testing; Differential diagnosis of hearing disorders.
- Methods involved in complete diagnostic audiology and liaison with medical personnel. Students may be assigned to one of several centers. *(Prerequisite: AS 453)*

AS 475 Auditory Rehabilitation & Vestibular Assessment& Industrial Audiology (2Theo, 1Prac) 3 C.H

- Aimed to provide the student with the knowledge of the effect of the noise exposure on hearing and understanding the risk of damages, the international regulations for noise exposure, the methods of protection from noise exposure.
- This module will be directed towards studying the approach of audiologic management of adults with hearing difficulties including: speech reading, communication repair strategies, technology, and hearing aid adjustment.
- Tinnitus assessment techniques and treatment and to teach the student the basic of the vestibular investigations and dizziness assessment. *(Prerequisite: AS 339)*

AS 493 Research Project 1 C.H

- A written genuine theoretical or experimental study or a special project that address a variety of topics in speech-language pathology developed under the direction of a faculty member is required by each student.
- Student should use scientific approaches to research questions, designs, statistical procedures, methodologies, and scientific writing. Students might be advised to use computer software for statistical analysis. *(Prerequisite; PH 311 or Corequisite)*

AS 498 Auditory Evoked Potential (2Theo,1Prac) 3 C.H

- This course provides an introduction to early, middle and late latency auditory evoked potentials.
- It provides explanation of the recording techniques, recording parameters, trouble shooting possible equipment problems, interpretation of the results. *(Prerequisite: AS 337)*