

BASLP COURSE OUTCOME



Institute of Health Sciences,
Bhubaneswar



B.ASLP 1st semester 2019

Subject: B. 1.1- Communication Sciences

Students have developed:

- Knowledge and critical thinking about basic human communication and hearing
 - Sensitivity including knowledge of speech, language, acoustics and typical speech sound production.
 - Speech and Language development.
 - Understanding of the scope of practice
 - History of Audiology speech language pathology practice.

Subject: B.1.2- Anatomy and Physiology of Speech and Hearing

Students have developed: Demonstrating advanced knowledge of the anatomy and physiology of:

- Basics human embryology
- Hearing and Speech Production
- Swallowing processes.

Subject: B.1.3 Clinical Psychology

- Students after completing the course have appreciated the benefits of learning
 - Neuropsychological assessment and rehabilitation.
 - Students have developed foundational knowledge of clinical psychology of normal and abnormal behaviour, cognitive, motor, emotional, social aspects of behaviour, human development, biological aspects of behaviour and psychopathology.
 - Students have demonstrated the ability to perform neuropsychological assessment and rehabilitation.

Subject B.1.4 Linguistics and Phonetics

Students have developed:

- Understanding of linguistics and its branches along with language characteristics and functions.
- Ability to apply some of the techniques available for analysing morphemes.
- Understanding of basic phonetics, phonology, fundamental phonological processes
- Applying distinctive feature theory to speech pathology and therapy.
- Knowledge about morphology, applied linguistics and competence of language like syntax, semantics in brief.
- Using IPA to accurately transcribe spoken language of typical and disordered speech

- sample.
- Basic knowledge of the process of language acquisition, its theories and models.
- Understanding different language families of world and India.
- Knowledge about bilingualism and multilingualism along with history and methods of Indian writing systems acquired terminology for discussing language.

Subject: B.1.5 Electronics & Acoustics

- Students after completing the course have appreciated the benefits of learning fundamentals of
 - Acoustics, audiometric room and its construction and its issues related to audiometric rooms.
 - Students have developed knowledge about basic electronics, components and power supply.
 - Students have demonstrated the ability to evaluate sound proofing in audiometric rooms.
 - Students have a clear-cut idea about instruments used in the field of speech and hearing.
 - Students have basic knowledge about digital signal processing.
 - Students now have more confidence in their knowledge of the subject matter.

Subject B1.6 Research Methods and Statistics

Students have developed:

- Knowledge of basics of research methods, need for research, formulating research question.
- Clear understanding of research design in the field of audiology and speech language pathology.
- Introductory idea about statistics and data collection along with application of statistics in speech and hearing field.

B.ASLP 2nd semester 2020

Subject: B.2.1 Neurology

Students have developed:

- Basic knowledge of anatomy, physiology of nervous system
- Overview of swallowing disorders, demonstrating screening and bedside neurological examination.
- Overall idea about neural organization of speech and hearing processes.
- Associating different neural disorders with speech and hearing disorders.

Subject: B.2.2 Otolaryngology

- Students after completing the course have appreciated the benefits of learning anatomy of ear, larynx, esophagus and its disorders.
- Students have developed knowledge of assessment and management options available in otolaryngology (medical line of treatment).
- Students have demonstrated the ability to apply problem-solving skills.
- Students have a clear-cut idea about oral cavity and its pathological conditions.
- Students have basic knowledge about airway management.

Subject: B.2.3 Speech-Language Pathology; 2nd sem 2020

After the completion of the course, the student will be able to understand:

- Basic concepts and methods of diagnostics and therapeutics
- Basic requirement for clinical setup.
- The tools to be used for diagnosis and different assessment principles.
- General principle approaches, planning for speech-language therapy.
- Concept of individual and group therapy.
- Overview of AAC methods of therapy.
- Different protocols for the assessment and management of speech and language disorders.
- Issues related to bi/multilingualism.
- Method of managing child and adult with speech and language disorder.
- Knowledge of different acts, facilities, concessions available for person with speech and hearing issues.

Subject: B.2.4- Audiology

Students have developed: Clear-cut idea about;

- Differential sensitivity.
- Basic concept and taking case history for adults and children.

- Knowledge about tuning fork test.
- Pure tone Audiometry, Speech Audiometry.
- Perform Clinical masking and calibration of instruments (both Objective and Subjective).

B.ASLP 3rd Semester Year 2020-2021

Subject:- B.3.1 Voice And Its Disorders

After the completion of the course, the student will be able to understand

1. Understand the parameters for development of voice and various voice mechanics.
2. Understand the basic concepts in voice and its production.
3. Understand the classification of voice disorders.
4. Understand the principles and protocols of assessment of voice disorders.
5. Understand the principles and protocols of management of voice disorders.
6. Understand the intervention strategies for voice disorders.

Subject:- B.3.2 Speech Sound Disorder

After the completion of the course, the student will be able to understand

1. Fundamentals of articulatory phonetics- phonetic description of vowels & consonants.
2. Speech sound sampling procedures- issues related to single word and connected speech samples; imitation and spontaneous speech samples, contextual testing, recording of speech samples.
3. Transcription of speech sample- transcription methods- IPA and extension of IPA; broad and narrow transcription.
4. Phonological processes analyses- language specific issues, identification and classification of errors.
5. Assessment of oral peripheral mechanism.
6. Basic consideration in therapy- target selection, basic framework for therapy, goal attack, strategies, organizing therapy sessions, individual vs. group therapy.

7. Motor based treatment approaches- principles of motor learning.
8. Introduction to linguistically based treatment approaches- distinctive feature therapy.

Subject:- B.3.3 Diagnostic audiology :Behavioral Tests

After the completion of the course, the student will be able to understand

1. Clear cut idea about differentiating between cochlear and retro cochlear pathology through various special tests selection and administration.
2. Tests to diagnose functional hearing loss
3. Advanced knowledge about central auditory processing disorder, summarization with the tests including special tests available to diagnose CAPD.
4. Assessment of persons with vestibular disorder.
5. Overview of tinnitus and hyperacusis with assessment and management.

Subject:- B.3.4 Amplification Devices

After the completion of the course, the student will be able to understand

1. Knowledge about historical development of hearing aids
2. Understand the components, classification and types of hearing aids with its function.
3. Understand about technological aspects of hearing aids
4. Knowledge about purpose and parameters to be considered in electro-acoustic measurements for hearing aids
5. Select hearing aids for various hearing loss after examining various aspects of the disabling hearing loss and the individual it effects.
6. To gain knowledge about mechano-acoustic couplers (ear molds) and its effects on hearing aid output

BASLP 2nd year 2019-20

Subject: B.2.1 Speech and language diagnostics and therapeutics

- Understand the role of studying therapeutic and diagnostic in fields of speech language pathology.
- Understand how to build different therapeutics and diagnostics setup.
- Understand to code of ethics to be followed in therapeutics and diagnostics in field of speech language pathology.
- Understand to use of different therapy techniques.
- Understand the importance of reinforcement principles and different strategies in speech and language therapy.

Subject: B.2.2 Articulation and phonological disorders

- Understand the role of studying articulation and phonology in the field of speech language pathology.
- Understand the typical patterns of articulation and phonological development.
- Understand the principles and protocols of assessment and management of articulation and phonological disorder, cleft lip and palate, glossectomy and mandibulectomy.
- understand the prevention program and counselling for person with articulation and phonological disorder, cleft lip and palate, glossectomy and mandibulectomy.

Subject: B.2.3 Voice and laryngectomee

On the completion of this subject, the students will be able to:

- Understand the role of studying voice disorder in the field of audiology, speech language pathology.
- Understand the typical patterns of voice disorder.
- Understand the principles and protocol of assessment of voice disorder.
- Understand the principles and protocol of management of voice disorder.
- Understand the prevention program and counselling for person with voice disorder.

Subject: B.2.4 Motor speech disorders

On the completion of this subject, the students will be able to:

- Understand the role of studying motor speech disorders in the field of audiology, speech and language pathology.
- Understand the typical patterns of motor speech disorders.

- Understand the principles and protocol of assessment of motor speech disorder.
- Understand the principles and protocol of management of motor speech disorder.
- Understand the prevention program and counselling for person with motor speech disorders.

Subject: B.2.5 Diagnostic audiology

Students have developed:

- Demonstrating basic knowledge about diagnostic audiology, clear cut idea about differentiating between cochlear and retro-cochlear pathology through various special test selection and administration
- Foundational knowledge about immittance audiometry and its clinical application, ideas about best available and selection of test to detect pseudohypacusis.
- Advanced knowledge about Central auditory disorders, summarization with the test including special tests available to diagnose Central auditory disorders.

Subject: B.2.6 Technology and amplification devices for persons with hearing impairment

On completion of the course the student will be able to:

- Understand the basic of electricity electronics and digital processing.
- Understand working of various transducers.
- Understanding the components of hearing aids and how they function.
- Identify what type and style of hearing aid to prescribe to an individual.
- The importance of EAC and how they affect the working of a hearing aid.
- Select hearing aids for various hearing loss after examining various aspects of the disabling hearing loss and the individual it effects.

Subject: B.2.7 Paediatric audiology

On completion of the course the students will be able to:

- Understand the development of auditory system and relate it to various syndromic conditions for identification of various aspects of diagnosis and rehabilitation
- Understand and the auditory behaviour and their usage in screening for hearing loss at various ages in human development.
- Understand and perform very subjective and objective tests for the diagnosis of paediatric population
- Understand and perform various special tests to identify paediatric population with multiple disabilities CAPD, ANSD and functional hearing loss.

Subject: B 2.1.2 Indian Constitution

After Completion of the course, the students will be able to:

- Understand the preamble and its importance to the Indian constitution.
- The election functioning of various Government officials.
- Rights and Duties of a responsible citizen of India.
- The importance of abiding by the rules and regulations laid in the constitution and the consequences, if failing to do so.

BASLP 3rd year 2019-20

Subject: B.3.1 Fluency and it's Disorders

- Understand the role of studying fluency in the field of audiology, speech language pathology.
- Understand the typical patterns of fluency
- Understand the principles and protocols of assessment of fluency disorder.
- Understand the principles and protocols of management of fluency disorder.
- Understand the prevention program and counselling for person with fluency disorder.

Subject: B.3.2 Neurological language disorders

On the completion of this subject, the students will be able to:

- Understand the role of studying adult neurogenic language disorders in the field of audiology and speech language pathology.
- Understand the types of adult neurogenic language disorders.
- Understand the principles and protocol of assessment of adult neurogenic language disorders.
- Understand the principles and protocol of management of adult neurogenic language disorders.
- Understand the prevention program and counselling for person with adult neurogenic language disorders.

Subject: B.3.3 Rehabilitative audiology learning outcomes

- Basic knowledge about speech reading, factors influencing it.
- Insight to auditory training its method and strategies.
- Idea about managing hearing impaired individual with special needs.
- Overall idea about assistive listening devices, its classification and selection.

- Familiarisation with implantable devices like MEI, CI, BAHA, ABI. Demonstrating knowledge about utilisation of technology/devices in tinnitus, hyperacusis management.

Subject: B.3.4 Noise management and hearing conservation learning outcomes

- Overall idea about noise its sources and types. Knowledge about auditory and non-auditory effects of noise exposure. Administering different physical test in noise induced hearing loss (NIHL).
- Measuring noise and vibration instrumentation and procedure. Advanced knowledge about hearing conservation, summarization with their protective devices (EPDs).
- Understanding legislation related to noise, different Indian and American acts, studies, standards along with the claims of hearing loss, its law and evaluation process.

Subject: B.3.5 Community oriented professional practice in speech language and hearing

On completion of the course students will be able to:

- Understand the epidemiology incidence and prevalence of various speech language and hearing disorders and plan prevention accordingly
- Understand the models of service delivery and use them appropriately for community-based rehabilitation
- Understand the legislative support for rehabilitation and abide by it
- Understand the importance of documentation and ethics of an ASLP
- Transfer their skill appropriately to different medical and non-medical personnel.
- Write a proposal for funds with evidence of viability and sustainability.

Subject: B.3.6 Basics statistics & research enquiry in audiology and speech language pathology

- Students will be proficient in statistical in computation.
- Students will have the skills to carry out research.
- Can distinguish between quantitative research and qualitative research.
- Can analyse the quantitative facts better
- Better understanding of research designs.

Subject: B.3.1.3 Environmental Studies

After completion of this subject, the students will be able to:

- Understand the importance of conservation of environment

- Plan for various conservation programs.
- Acquire an attitude of concern for the environment
- Will use the knowledge about noise and air pollution against NIHL and other factors responsible for various speech and hearing problems.