

**First Year
Semester 1**

BSLT. 1101	Introduction to Communication Studies
BSLT. 1102	Language skill Development: Bangla and English
BSLT. 1103	Language Acquisition and Cognitive Development
BSLT. 1104	Linguistics for Clinicians: Articulatory and Acoustics Phonetics

Semester 2

BSLT. 1205	Human Communication and Disorders
BSLT. 1206	Anatomy and Physiology of Speech and Language
BSLT. 1207	Linguistics for Clinicians: Phonology and Morphology
BSLT. 1208	Psychology: Abnormal and Counseling Psychology

**Second Year
Semester 3**

BSLT. 2301	Introduction to Nonverbal Communication
BSLT. 2302	Neurology of Language and Communication
BSLT. 2303	Linguistics for Clinicians: Syntax, Semantics and Pragmatics
BSLT. 2304	Information and Communication Technology (ICT)

Semester 4

BSLT. 2405	Sign Language
BSLT. 2406	Psycholinguistics, Neurolinguistics and Clinical Linguistics
BSLT. 2407	Bangladesh Studies
BSLT. 2408	Audiology-1: Hearing Science and Psychoacoustics
BSLT. 2409	First Comprehension (theoretical aspects)

**Third Year
Semester 5**

BSLT. 3501	Statistics and Research Methods
BSLT. 3502	Developmental and Child Language Disorders
BSLT. 3503	Audiology-2: Hearing Disorders and Aural Rehabilitation
BSLT. 3504	Clinical Practicum-1: Pediatrics and Audiology

Semester 6

BSLT. 3605	Diagnostic Methods: Speech and Language Therapy
BSLT. 3606	Neurogenic Communication Disorders
BSLT. 3607	Clinical Phonetics and Motor Speech Disorders
BSLT. 3608	Clinical Practicum-2: Neurology

**Fourth Year
Semester 7**

BSLT. 4701	Alternative and Augmentative Communication
BSLT. 4702	Stuttering and Other Fluency Disorders
BSLT. 4703	Voice Disorders and Dysphagia
BSLT. 4704	Clinical Practicum-3: Vocology

Semester 8

BSLT. 4805	Professional Development: Therapy and Treatment
BSLT. 4806	Medical Speech-Language Pathology (Theory + Practical)
BSLT. 4807	Second Comprehensive (clinical aspects) And (Oral Examination)

Non-credit Course

BSLT. 0001	A Modern Language
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16.18 Course Number and Title

BSLT. 3501: Statistics and Research Methods (পরিসংখ্যান ও গবেষণা পদ্ধতি)

16.18.1 Credits Hours: 04

16.18.2 Course Description

This course is designed to teach the students basic concepts of statistics and the fundamentals of research methods. In this course, students will learn various topics of descriptive and inferential statistics. At the same time, they will be taught essential steps of research methods.

16.18.3 Course Objectives

Upon completion of this course, students will be able to-

- a. learn theories and concepts of statistics;
- b. explain different steps of research methods;
- c. apply statistics to design research projects of speech and language therapy.

16.18.4 Course Content

1. Statistics 50

Statistics: Basic concepts
Measure of variability
Standard score
Theory of probability
Correlation
Variance
Non-parametric statistics

2. Research Methods 50

Methods and research in Social and Behavioral sciences
Basic of research
Types of research
Techniques of sampling
Techniques of data collection
Research design
Analysis and interpretation
The research report

16.18.5 References

- Body, R. & McAllister, L. (2009). *Ethics in Speech and Language Therapy*. John Wiley & Sons
- Bulter, C.S. (1985). *Statistics in Linguistics*. Blackwell Publishers
- Carment, L. (2002). *Scientific thinking in speech and language therapy*. Lawrence Erlbaum Associates, Publishers
- Coggon, D. (2003). *Statistics in Clinical Practice*. London: BMJ Books
- Doehring, (1998). *Research strategies in human communication disorders*. Pro-ed Austin
- Hegde, M. N. (2006). *Clinical Research in Communicative Disorders*. Principles and Strategies. Singular Publishing
- Klippi, A. & Launonen, K. (eds.)(1988). *Research in Logopedics Speech and Language Therapy in Finland*. Clevedon: MULTILINGUAL MATTERS LTD
- Lum, C. (2002). *Scientific Thinking in Speech and Language Therapy*. Mahwah, New Jersey: LAWRENCE ERLBAUM ASSOCIATES, PUBLISHERS
- Oakes, M. P. (1998). *Statistics for Corpus Linguistics*. Edinburgh University Press
- Portney, L.G. & Walkins, M. P. (1993). *Foundations of Clinical Research*. Connection: Appleton and Lange
- Stefan, T. G. (2008). *Quantitative Corpus Linguistics with R: A practical introduction*. Routledge
- Woods, A. Fletcher, P & Hughes, A (1986). *Statistics in Language studies*. Cambridge: University Press
- Woods, A. (1996). *Statistics in Linguistic Studies*. Cambridge: Cambridge University Press
- নূর-উন-নবী, এ. কে. এম. (২০০৪)। সামাজিক পরিসংখ্যান পরিচিতি। গাজীপুর: বাংলাদেশ উন্মুক্ত বিশ্ববিদ্যালয়

16.19 Course Number and Title

BSLT. 3502: Developmental and child Language Disorders (বর্ধনমূলক ও শিশু ভাষাবৈকল্য)

16.19.1 Credit Hours: 04

16.19.2 Course Description

This course is introduced to provide the students a description of developmental and child language disorders. In this course, they will learn types, characteristics and symptoms of different language impairments children usually suffer from for a long time, even till their death.

16.19.3 Course objectives

After completing this course, students will be able to-

- be familiar with symptoms, cause and characteristics of different developmental and child language disorders;
- explain various types and classifications of these disorders ;
- identify children who are suffering from these disorders.

16.19.4 Course Content

Developmental language disorders (DLD) and Child language disorders (CLD): definition, concept, scope

DLD and child language disorders: similarities and dissimilarities

Types of developmental language disorders

Autism

SLI

Down syndrome and William Syndrome, ADHA

Types of child language disorders

Dyslexia and dysgraphia, ACA (Acquired Childhood Aphasia)

Multiple disabilities

Assessment and Management of DLD

Methods, procedures, cross-cultural consideration

16.19.5 References

- Adams, C. Brown, R. and Edwards, M. (1999). *Developmental disorders of language* London: Whurr Publishers Ltd.
- Chawarska, K. & Volkmar, F.R. (eds.)(2008). *Autism Spectrum Disorders in Infants and Toddlers Diagnosis, Assessment and Treatment*. New York and London: The Guildford Press
- Fletcher, H. & Miller, J.F. (2005). *Developmental Theory and Language Disorders*. Amsterdam/Philadelphia: John Benjamins Publishing Company
- Hoff, E. & Shatz, M. (2007). *Blackwell Handbook Language Development*. Blackwell Publishing Ltd.
- Johnson, B. A. (1996). *Language Disorders in Children An introductory clinical perspective*. Albany, New York: Delmar Published
- Lawson, W. (2001). *Understanding and Working with the Spectrum of Autism*. London and Philadelphia: Jessica Kingsley Publishers
- Leonard, L. B. (1998). *Children with specific language impairment*. M.A.: MIT Press
- Matson, J. L. (2009). *Applied Behavioral Analysis for Children with Autism Spectrum Disorders*. Springer
- Patel, D.R., Greydanus, D.E., Omar, H.A. & Merrick, J. (2011). *Neurodevelopmental Disabilities-Clinical care for children and young adults*. New York: Springer
- Rice, M. & Warren, S. F. (eds.)(2004). *Developmental Language Disorders: From Phenotypes to Etiologies*. Mahwah, New Jersey: Lawrence Erlbaum Associates, Inc.
- Tager-Flusberg, H. (2009). Atypical Language Development: Autism and Other Neurodevelopmental Disorders. In Hoff, Erika and Shatz, Marilyn (eds.) *Blackwell Handbook of Language Development*. Oxford: Wiley-Blackwell. 432-453
- আরিফ, হাকিম [সম্পা.]। ২০১৫। বাংলাভাষী অটিস্টিক শিশুর ভাষা সমস্যা। ঢাকা: অন্বেষা প্রকাশন
- আরিফ, হাকিম ও নাসরীন, সালমা। ২০১৩। আমাদের অটিস্টিক শিশু ও তাদের ভাষা। ঢাকা: নবযুগ প্রকাশনী

16.20 Course Number and Title

16.20.1 Credit Hours: 04

16.20.2 Course Description

This course is intended to make familiar the students with characteristics, causes and types of hearing disorders and their possible treatments. In this course, they will learn theories and methods which will help to explain types and causes of hearing disorders and, finally, how the person with hearing disorders will be given proper rehabilitation.

16.20.3 Course Objectives

Upon completion of this course, students will be able to-

- explain causes, types and symptoms of hearing disorders;
- interpret relevant theories and methods to identify these disorders;
- apply specific techniques and methods to rehabilitate persons with hearing disorders.

16.20.4 Course Content

1. Hearing Disorders 50

Hearing disorders: definition, cause and scope

Auditory System and Related Disorders

Hearing test

Hearing loss

Types, causes, characteristics, implications

Nonorganic hearing loss

Infants, toddlers and adults with hearing loss

School age children with hearing loss

Effects of hearing loss on the development of auditory function and speech

2. Aural Rehabilitation 50

(Theory-30 + Practical-20)

Aural Rehabilitation: concept, goal and scope

Assessment of Infants and Children

Tests for Audiological Diagnosis: Behavioral and audiological screening, test environment

Pure Tone Audiometry and speech audiometry

Cochlear Implants

Audiological management and auditory training

Auditory-Verbal (AV) and Auditory-Oral (AO) Practice

Auditory-Verbal Techniques and Implementation

Personal hearing devices and aids

Altering devices

Audiologic habilitation and rehabilitation

16.20.5 References

Clark, J.G & English, K.E. (2004). *Audiologic Counseling: Helping patients and families adjust to hearing loss*. Boston: Allyn & Bacon

Dillon, H. (2001). *Hearing Aids*. New York: Thieme

Glickman, N. (2009). *Cognitive-Behavioral Therapy for Deaf and Hearing Persons with Language and learning Challenges*. New York and London: Routledge

Martin, E.N. & Clark, J.G. (2009). *Introduction to Audiology*. Boston: Allyn & Bacon

Oyiborhoro, J.M.A. (2005). *Aural Rehabilitation for People with Disabilities*. Elsevier Academic Press

Sandlin, R.E. (2000). *Textbook of hearing aid amplification: Technical and clinical considerations*. San Diego, CA: Singular

Stach, B.A. (2010). *Clinical Audiology: An introduction*. Clifton Park, NY: DELMAR Cengage Learning

Tyler, R.S (ed.).(2000). *Cochlear implants: Audiological foundations*. San Diego, CA: Singular

16.21 Course Number and Title

BSLT. 3504: Clinical Practicum-1: Pediatrics and Audiology

16.21.1 Credit Hours: 04

16.21.2 Course Description

This course is designed to give students a practical experience of speech and language disorders related to pediatrics and audiology. Students of this course will go to the respective clinic or hospital to encounter the patients of hearing and developmental language disorders with a view to getting practical experience of theories and information they have learnt in the classroom.

16.21.3 Course Objectives

Upon completion of this practical course, students will be able to-

- a. identify the patients of given speech and language disorders;
- b. explain the causes, types and symptoms of this disorders;
- c. provide appropriate therapies and treatment modules of these disorders.

16.21.4 Learning outcome

At the end of this practicum the students will be able to—

1. Acquire knowledge of the facilities and activities of the clinical set up.
2. Acquire knowledge of the terminology used in the assessment and therapy in the clinical set up and develop proficiency in usage.
3. Acquire knowledge about normative aspects of speech and language and develop skills for perceptual and instrumental measurement.

16.21.5 What to do

Students will spend 10 hours per week in hospital/clinic not only to observe clinical conditions but also collect pathological linguistic data of patients with hearing and developmental language disorders.

16.21.6 Required Assignment

1. Assess 6 clients with hearing and developmental language disorders.
2. Offer therapy for these patients.