

**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

## 16.26. Course number and Title

BSLT. 4701: Alternative and Augmentative Communication (বিকল্প ও সহায়ক সংজ্ঞাপন)

### 16.26.1 Credit Hours: 04

### 16.26.2 Course Description

This course is intended to familiar the students with different assistive communication forms suitable for persons with severe speech and language disorders. In this course, student will learn types, forms and topics of these communicative forms, and the techniques how these will be appropriate for persons with disorders.

### 16.26.3 Course Objectives

After completing this course, student will be able to-

- a. be familiar with different alternative and augmentative communications;
- b. interpret methods and techniques of these forms of communications;
- c. design appropriate communication modalities for the patients with severe speech and language disorders.

### 16.26.4 Course Content

#### a. Theoretical aspects

60

Augmentative and Alternative Communication (AAC): definitions, goal, scope

Overview of Augmentative Communication Systems Terminology Components: aids, symbols, techniques, and strategies

Identifying appropriate candidates for AAC

Cognitive hierarchy for various symbols and considerations for symbol selection and layout

Access Methods

Message Storage and Retrieval Methods

Acceleration Techniques

Prediction Strategies

The Assessment Process

Components of an Assessment

Considerations for Selection

Training and Follow Up

Features of AAC Devices

The AAC System

Electronic Communication Device Features

Electronic Communication Device Examples

Matching Systems to People

AAC Strategies for Children with Developmental Disabilities

The Decision to Implement AAC

Developmental Apraxia of Speech

Autism and Pervasive Developmental Disorders

Dysarthria

### 16.26.5 References

Fidopiastis, C.M. & Schmorow, D.D. (2011). *Foundations of Augmentative Cognition*. Berlin: Springer

Ganz, J.B. (2014). *Aided Augmentative Communication for Individuals with Autism Spectrum Disorders*. New York: Springer

Glennan, S. & DeCosta, D. (1997). Augmentative and Alternative Communication Systems. In *Handbook of Augmentative and Alternative Communication*. San Diego, California: Singular Publishing Group, Inc.

Smith, M. (2005). *Literacy and Augmentative and Alternative Communication*. London: Elsevier Academic Press

Spears, C. L. & Turner, V. L. (2011). *Rising to New Heights of Communication and Learning for Children with Autism*. London and Philadelphia: Jessica Kingsley Publishers

## 16.27. Course number and Title

BSLT. 4702: Stuttering and Other Fluency Disorders  
(তোতলামী ও অন্যান্য সাবলীলতা বৈকল্য)

### 16.27.1 Credit Hours: 04

### 16.27.2 Course Description

This course is designed to provide the students a description of stuttering and other fluency disorders. In this course, the students will learn the characteristics, types, causes and classifications of different fluency disorders along with stuttering.

### 16.27.3 Course Objectives

Upon completion this course, students will be able to-

- a. describe characteristics, classifications and cause of stuttering;
- b. identify other types of fluency disorders;
- c. explain relevant theories and methods of these disorders

### 15.27.4 Course Content

1. Introduction to fluency disorders	25
Fluent speech: Dimensions, factors, theoretical constructs	
Fluency disorders: Definition, goal, scope	
Anatomy and physiology of fluency disorders	
2. Stuttering	50
Stuttering defined	
Linguistics, auditory processing, articulatory dynamics, laryngeal dynamics, prosodic, speech motor control viewpoints in stuttering	
The biology and sociology of stuttering	
Who stutters?	
Severity of stuttering –theoretical foundations and methods	
Searching for a cure	
Assessment and diagnosis	
Efficacy measurements in stuttering therapy	
Spontaneous recovery	
Prevention, relapse of stuttering and related issues	
Review of therapy in stuttering and recent advances in evidence based management of children and adults with stuttering	
3. Other fluency disorders	25
Types of fluency disorders: developmental, childhood, adult	
Nature, characteristics, differential diagnosis, and current status of:	
Normal non-fluency	
Cluttering	
Neurogenic stuttering	
Drug-Induced stuttering	

### 16.27.5 References

- Curlee, R.F. and Siegel, G.M. (1996). *Nature and treatment of stuttering*. Boston: Allyn and Bacon
- Guitar, B. (1998). *Stuttering. An integrated approach to its nature and treatment*. Williams & Wilkins.
- Howell, P. & Van Borsel, J. (2011). *Multilingual Aspects of Fluency Disorders*. Bristol: MULTILINGUAL MATTERS
- Nathan, L. (2003). *Understanding Stuttering*. Jackson: University Press Mississippi
- Onslow, M. & Packman, A. (1999). *The handbook of early stuttering intervention*. Singular pub. Group.
- Onslow, M. (1997). *Behavioral management of stuttering*. Singular Press
- Schwartz, H.D. (1999). *A primer for stuttering therapy*. Boston: Allyn and Bacon
- Shapiro, D. (1999). *Stuttering intervention. A collaborative journey to fluency freedom*. Pro-Ed, Austin, Texas
- Yairi, E.S. & Ambrose, N. (2005). *Early childhood stuttering. For clinicians by clinicians*. Pro-Ed, Austin, Texas

## 16.28 Course Number and Title

BSLT. 4703: Voice Disorders and Dysphagia

(স্বর বৈকল্য ও গলাধঃকরণ সমস্যা)

### 16.28.1 Credit Hours: 04

### 16.28.2 Course Description

This course is introduced to make familiar the students with detail of voice disorders and Dysphagia. In this course, students will learn types, causes and symptoms of various voice disorders and swallowing problems, and the techniques to easily identify these.

### 16.28.3 Course Objectives

After completing this course, students will be able to-

- a. describe characteristics, types and symptoms of voice disorders and Dysphagia.
- b. identify the real causes of these disorders.
- c. Interpret theories and methods related with these disorders.

### 16.28.4 Course Content

#### a. Voice Disorders

50

Anatomy and physiology of laryngeal system

Models of vocal fold vibration

Development of vocal fold

Mechanical properties of the vocal fold

Voice evaluation: perceptual and instrumental

Aerodynamic tests-vital capacity, mean airflow rate, maximum duration of sustained blowing

Measurement of vocal fold vibration

Pathophysiological changes in different voice disorders

Different types of voice disorders

Pediatric voice disorders

Neurogenic voice disorders

Endocrinal voice disorders

Laryngectomy

Pathophysiology of larynx

Treatment-medical, surgical and therapeutic

Rehabilitation team of Laryngectomy

Consideration in rehabilitation

Acoustic, perceptual and physiological aspects of alaryngeal speech

Factors influencing intelligibility of alaryngeal speech

#### b. Dysphagia

50

Dysphagia – Anatomical & Maturational considerations, Role of respiration. Physiology of suck-swallow-breath sequence, overview of phases of swallowing, Development of feeding skills, Alternate methods of nutritional intake

Normal swallowing and abnormal swallowing

Disorders of swallowing in children and adults

Etiological classification: Medical, GI tract, respiratory, CNS/PNS damage, cardiac effects, structural, abnormalities and iatrogenic.

Assessment – Clinical examination, subjective evaluation of swallow function, feeding skills, GERD. Objective methods – Radiological and Instrumental evaluation

Multidisciplinary management of dysphagia – Issues and concerns, Medical and Non-medical treatment

### 16.28.5 References

Baken, R. J. (1996). *Clinical Measurement of Speech and Voice*. California: Singular Publishing Group Inc.

Boone, D. R., McFarlane, S. C. & Von Berg, S. L. (2005). *Voice and Voice Therapy*. Boston: Allyn and Bacon

BUTCHER, P, ELIAS, N. & CAVALLI, L. (2007). *Understanding and Treating Psychogenic Voice Disorders A CBT Framework*. Chichester: John Wiley & Sons Ltd

Casper, J. K. and Colton, R. H. (1993). *Clinical Manual for Laryngectomy and Head and Neck Cancer Rehabilitation*. California: Singular Publishing Group Inc.

- Johnson, A. F. and Jakobson, B. H. (1998). *Medical Speech-Language Pathology*. New York and Stuttgart: Theime
- Perlman, A., and Schulze-Delrieu, K. (ed.). (2003). *Deglutition and Its Disorders: Anatomy, Physiology, Clinical Diagnosis, and Management*. Clifton Park, NY: Thomson Delmar Learning
- Rubin, J. S., Sataloff, R. T., Korovin, G. S. and Gould, W. J. (1995). *Diagnosis and Treatment of Voice Disorders*. NY:IGAKU-SHOIN Medical Publishers, Inc.
- Sataloff, R. T., Eller, R. T. and Hawkshaw, M. (2007). *Atlas of Laryngoscopy*. California: Plural Publishing, Inc.
- Satalof, R. T., Mandel, S, and Abaza, M. (2006). *Laryngeal Electromyography*. California: Plural Publishing, Inc.
- Titze, I. R. (1994). *Principles of Voice Production*. NJ: Prentice Hall, Inc.
- Yorkston, K.M., Miller, R.M., & Strand, E.A. (1995). *Management of Speech and Swallowing in Degenerative Diseases*. Tucson, Arizona: Communication Skill Builders

## **16.29 Course Number and Title**

BSLT. 4704: Clinical Practicum-3: Vocology (ক্লিনিক শিক্ষানবিশি-৩: স্বরতত্ত্ব)

### **16.29.1 Credit Hours: 04**

### **16.29.2 Course Description**

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

### **16.29.3 Course Objectives**

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

- a. identify the causes of given speech and language disorders;
- b. diagnose people who are suffering from these impairments;
- c. provide appropriate therapy and treatment modules of these disorders.

### **16.29.4 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 in discussion.
3. Acquire knowledge about normative aspects of speech and language and develop skills for perceptual and instrumental measurement.

### **16.29.5 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 Dysphagia and voice disorders.

### **16.29.6 Required Assignment**

1. Assess 6 clients with Dysphagia and voice disorders.
2. Offer therapy for these patients.