



# **TRIPURA UNIVERSITY**

**(A CENTRAL UNIVERSITY)**

**Suryamaninagar-799022, Tripura**

**SYLLABUS OF M.A.  
IN  
LINGUISTICS AND TRIBAL LANGUAGES**

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**(CHOICE BASED CREDIT SYSTEM)**

[Following the Choice Based Credit System (CBCS)  
and Continuous Assessment Grading Pattern (CAGP)]

**DEPARTMENT OF LINGUISTICS & TRIBAL LANGUAGES  
FACULTY OF ARTS AND COMMERCE  
TRIPURA UNIVERSITY  
SURYAMANINAGAR  
TRIPURA-799022  
2016**

SYLLABUS FOR M.A. LINGUISTICS AND TRIBAL LANGUAGES  
(CHOICE BASED CREDIT SYSTEM)

COURSE STRUCTURE

Semester	Core Courses		Elective Courses		Foundation Courses		Total Credits
	Course Code	Credit	Course Code	Credit	Course Code	Credit	
<b>I</b>	LTTL 701C LTTL 702C LTTL 703C LTTL 704C	04 04 04 04	—	—	—	—	16
<b>II</b>	LTTL 801C LTTL 802C LTTL 803C	04 04 04	LTTL 804E	04	CSK-I	04	20
<b>III</b>	LTTL 901C LTTL 902C LTTL 903C	04 04 04	LTTL 905E	04	—	—	16
<b>IV</b>	LTTL 1001C LTTL 1002C LTTL 1003C LTTL 1004C	04 04 04 04	LTTL 1005E	04	—	—	20
Total Paper	14		3		1		18
Total Credit	56		12		4		72

CONTINUOUS ASSESSMENT GRADING PATTERN (CAGP)

Component	Mode of Evaluation	marks
Internal Assessment	Internal Evaluation (Continuous Internal Assessment)	20
Assignment (Internal)	Internal Evaluation (Continuous Internal Assessment)	10
End Semester Examination	External Evaluation (End Semester Examination)	70
TOTAL		100

SYLLABUS FOR M.A. LINGUISTICS AND TRIBAL LANGUAGES  
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COURSE CONTENT

Sl No	Course Code	Name of Course	Type of Course	Total credit	Marks scaled
<b>FIRST SEMESTER: 16 Credits (4 Core Courses = 16)</b>					
1	LTTL 701C	Introduction to Linguistics	CC	4	100
2	LTTL 702C	Phonetics and Phonology	CC	4	100
3	LTTL 703C	Morphology	CC	4	100
4	LTTL 704C	Syntax I	CC	4	100
<b>SECOND SEMESTER: 20 Credits (3 CC = 12 Credits; 1 EC = 4 Credits; 1 CF = 4 Credits)</b>					
5	LTTL 801C	Semantics	CC	4	100
6	LTTL 802C	Sociolinguistics	CC	4	100
7	LTTL 803C	Historical Linguistics	CC	4	100
8	LTTL 804E	Language and Society	EC	4	100
9	CSK-I	Computer Skills-I	CF	4	100
<b>THIRD SEMESTER: 16 Credits (3 CC = 12 Credits; 1 EC = 4 Credits)</b>					
10	LTTL 901C	Generative Phonology	CC	4	100
11	LTTL 902C	Syntax II	CC	4	100
12	LTTL 903C	Lexicography	CC	4	100
13	LTTL 905E	Analysis of Endangered Languages	EC	4	100
<b>FOURTH SEMESTER: 20 Credits (4 CC = 16 Credits; 1 EC = 4 Credits)</b>					
14	LTTL 1001C	Language Typology and Linguistic Universals	CC	4	100
15	LTTL 1002C	Structure of Tibeto-Burman Languages	CC	4	100
16	LTTL 1003C	Field Linguistics	CC	4	100
17	LTTL 1004C	Dissertation	CC	4	100
18	LTTL 1005E	A Foundation Course in Phonetics	EC	4	100
<b>TOTAL CREDITS = 72</b>					

MARKS DISTRIBUTION			Total Marks	
Paper	<i>Internal Marks</i>			<i>External Marks</i>
Papers (all semesters)	10 (assignment)	20 (class tests, paper presentation, etc.)	70 (semester Examination)	100 (30-Internal + 70-Semester exam)
Dissertation / Project Report (IV Semester)	30 Dissertation Presentation		70 Dissertation/Project Record	100 (30-presentation + 70 Dissertation/Project Record )

# **SEMESTER I PAPERS**

# LTTL 701C: Introduction to Linguistics

## Unit I: Language and Communication

Definition and origin of language; features of language; Language and Communication; human and non-human communication; Language, mind and society; written and spoken language; Writing systems; language and dialect; Branches of linguistics; Scope of linguistics; Linguistics as a science

## Unit II: Study of Language

Approaches to the study of language: prescriptive and descriptive approaches, synchronic and diachronic approaches, syntagmatic and paradigmatic relations; Language, langue and parole, competence and performance, substance and form

## Unit III: History of Linguistics

History of Linguistics - Pre-structuralist period: Old Babylonian, Greek, Indian, Hebrew, Arabic, Later European - Structuralist period: European and American Structuralism - Poststructuralist period: Chomskyan and Post-Chomskyan approaches

## Unit IV: Linguistics and other disciplines

Linguistics and related disciplines- Anthropology, Computer Science, Education, Literature, Philosophy, Political Science, Psychology, Sociology, Neuro-science

## Reading list:

- Abbi, Anvita, 1996. *Languages of Tribal and Indigenous Peoples of India: The Ethnic space*, Motilal Banarsidass Publishers, New Delhi.
- Aarts, B., and McMahon, A., (ed.), 2006. *The Handbook of English Linguistics*, Blackwell Publishing Ltd., USA.
- Asher, R. (ed.), 1994. *Encyclopedia of Language and Linguistics*, Elsevier-Pergamon.
- Bloomfield, L., 1933. *Language*, New York, Henry Holt. (Indian Edition, Delhi: Motilal).
- Crystal, D., 2008. *A Dictionary of Linguistics and Phonetics*, Blackwell Publishing Ltd., USA.
- Fasold, R. & J. Connor-Linton, 2006. *An introduction to language and linguistics*, Cambridge: Cambridge University Press.
- Fromkin, V., and R. Rodman, 1974. *An Introduction to Language*. New York: Holt, Rinehart and Winston, (2nd Edition).
- Hockett, C.F. 2006. *A course in Modern Linguistics*, Surjeet Publication, New Delhi.
- Lyons, J., 1968. *Introduction to Theoretical Linguistics*, Cambridge (UK): Cambridge University Press.
- Miri, Mrinal, (ed.), 2003. *Linguistics Situation in North-East India*, Concept Publishing Company: New Delhi.
- Mishra, AK, Melissa Wahlang & Ch. Sarajubala (eds), 2013. *Studies in Linguistics of North-Eastern Languages*, New Delhi: Lakshmi Publishers & Distributors.
- Col. Ved Prakash, 2006. *Encyclopaedia of North-East India*, Atlantic: New Delhi.

Radford, A., Atkinson, M., Britain, D., and Spencer, 2009. A., *Linguistics: An Introduction*, Cambridge University Press, New York.

## **LTTL 702C: Phonetics and Phonology**

### **Unit I: Anatomy and Physiology of Speech Production**

Approaches to Phonetics: Articulatory, Acoustic and Auditory Phonetics; Speech organs and their function; Airstream mechanisms, phonation, oral-nasal process; Articulators and basic terms related to articulation

### **Unit II: Classification of Speech Sounds:**

Vowels: articulatory classification and description; cardinal vowel system; semi-vowels; Consonants: articulatory classification and description; complex articulations; Transcription: IPA sounds and symbols; Broad and narrow transcription

### **Unit III: Prosody and Suprasegmental Features**

Syllables and Syllable division; Syllable structure; Maximal Onset Principle (MOP), Sonority hierarchy; accent, stress, rhythm, pitch, tone, intonation

### **Unit IV: Phonemic Organization and Phonological Approach**

Phone, Phoneme, Allophone; Principles of Phonemic analysis; Distinctive Features; Approaches to Phonology: Structuralist Phonology, Generative Phonology, Autosegmental Phonology; Phonological alternations, processes and rules

### **Reading list:**

- Abercrombie, D. 1967. *Elements of General Phonetics*. Edinburgh: Edinburgh University.
- Catford, J.C. 1988. *A Practical Introduction to Phonetics*. Oxford: Oxford University Press.
- Chomsky, N. & Halle, M., *The Sound Pattern of English*, New York: Harper and Row, 1986.
- Clark, J. & Yallop, C. *An Introduction to Phonetics and Phonology*. Oxford, Basil Blackwell, 1990.
- Hyman, Larry M., *Phonology: Theory and analysis*. N.Y.: Holt Rinehart and Winston, 1975.
- Katamba, F., *An Introduction to Phonology*. Longman Group UK Limited, 1989.
- Ladefoged, P., *A Course in Phonetics*. Keith Johnson University of California, Berkeley, 12011.
- Ladefoged, P., *Vowels and consonants: An Introduction to the Sounds of the Languages of the World*. Oxford: Blackwell, 2001.
- Ladefoged, P & Maddieson, I. 1996. *The Sounds of the World's Languages*. Oxford: Blackwell.
- Leiberman, P. & Blumstein, S. 1988. *Speech Physiology, Speech Perception and Acoustic Phonetics*. Cambridge: Cambridge University Press.
- Ogden, R., *An Introduction to English Phonetics*. Edinburgh University Press, 2009.

## LTTL 703C: Morphology

### Unit I: Morphemic analysis

Morphemes, morphs, allomorphs; Classification of morphemes: free, bound, root, stem, affixes; Morphological process: word formation rules; Morphemes (Nida's Principle)

### Unit II: Morphophonemics

The concept of morphophoneme, relation between phoneme and morpheme, Internal and external sandhi; Item and Arrangement, Item and Process and Word and Paradigm

### Unit III: Morphological constructions

Inflection and derivation; Affixation and Compounding, types of compounds; Reduplication; Language classification: genetical and typological

### Unit IV: Word forms and words

Open and closed word; Grammatical categories- tense, aspect, mood, case relations, person, number and gender; Pronominalization, Classifier

### Reading list:

Adam, V. 1973. *An Introduction to Modern English word Formation*. Longman.

Anderson, J. M. 1971. *The Grammar of Case*. Cambridge: CUP.

Aronoff, Mark. 1976. *Word Formation in Generative Grammar*. Cambridge, Mass: MIT Press.

Aronoff, M, and Kirsten Fudeman. 2010. *What is Morphology*. Oxford: Blackwell.

Bauer, Laure. 1983. *English Word Formation*. Cambridge, University Press.

Bauer, Laure. 1988. *Introducing Linguistic Morphology*. Edinburgh: Edinburgh University Press.

Bybee, J. 1985. *Morphology: A Study of the Relation between Meaning and Form*. Amsterdam: John Benjamins.

Corbett, G. 1990. *Gender*. Cambridge: CUP.

Dressler, Wolfgang. 1985. *Morphology*. Ann Arbor: Karoma Press.

Hammond, M. and Noonan, M. (eds). 1988. *Theoretical Morphology: Approaches in Modern Linguistics*. Orlando: Academic Press.

Hockett, Charles F. 1958. *A Course in Modern Linguistics*. New York: Macmillan.

Jensen, J. 1990. *Morphology*. Amsterdam: John Benjamins.

Matthews, P. 1972. *Inflectional Morphology*. Cambridge: CUP.

Matthews, P. 1974. *Morphology*. Cambridge: CUP.

Nida Eugena, 1949. *Morphology: The Descriptive Analysis of Words*. Ann Arbor: University of Michigan.

Kattamba, F. 1993. *Morphology*. London: St. Martin's Press.

Plank, F. 1979. *Ergativity*. New York: Academic Press.

Sloat, C. and Taylor, S. 1978. *The Structure of English Words*. Eugene, Oregon: Pacific Language Associates.

Spencer, A. (1991). *Morphological Theory*. Oxford: Blackwell.

## LTTL 704C: Syntax I

### Unit I: Basic Concepts

Sentence types – simplex and complex; sentence types – active and passive; sentence types – transitivity; sentence types – declarative, exclamative, imperative, interrogative; ordination of sentences – coordination and subordination, parts of speech; grammatical relations; case; thematic roles

### Unit II: Pre-Chomskyan Syntax

Syntax in early grammatical traditions – western and eastern schools; historical-comparative method to Saussure; Structuralist syntax – syntagmatic and paradigmatic relations; American Structuralist syntax – immediate constituent analysis

### Unit III: Chomskyan Syntax

Brief history of the Chomskyan paradigm; Generative Grammar; Universal Grammar; kernel sentences; deep structure and surface structure; transformations and generations; movement; Logical Form and Phonological Form

### Unit IV: Post-Chomskyan Syntax

Cognitive Linguistic theories – Cognitive Grammar, Construction Grammar, Radical Construction Grammar, Word Grammar; Systemic Functional Grammar; Role and Reference Grammar; Simpler Syntax; construction; figure and ground; image schema; metaphor

### Reading list

- Akmajian, Adrian, Richard A. Demers, Ann K. Farmer and Robert M. Harnish. 2010. *Linguistics: An Introduction to Language and Communication*. 6<sup>th</sup> Edition. Cambridge: MIT Press. (Chapter 5)
- Baker, Mark C. 2003. Syntax. *The Handbook of Linguistics*, ed. by Mark Aronoff and Janie Rees-Miller, pp 265-294. Oxford: Blackwell Publishers.
- Bloomfield, Leonard. 1973 [1933]. *Language*. London: George Allen and Unwin Ltd. (Chapters 11 and 12).
- Croft, William. 2007. Construction grammar. *Oxford Handbook of Cognitive Linguistics*, ed. by Dirk Geeraerts and Hubert Cuyckens, pp 463-508. Oxford: OUP.
- Culicover, Peter W. and Ray Jackendoff. 2006. The simpler syntax hypothesis. *Trends in Cognitive Science*, 10.9: 413-418.
- Givon, Talmy. 2001. *Syntax: An Introduction*, Vol. 1. Amsterdam: John Benjamins Publishing Company.
- Halliday, M.A.K. A brief sketch of systemic grammar. *On Language and Linguistics: M.A.K. Halliday*, ed. by Jonathan Webster, 180-184. New York: Continuum.
- Hockett, Charles F. 1958. *A Course in Modern Linguistics*. New Delhi: Oxford and IBH Publishing Co. (Chapter 17)
- Langacker, Ronald. 2007. Cognitive grammar. *Oxford Handbook of Cognitive Linguistics*, ed. by Dirk Geeraerts and Hubert Cuyckens, pp 421-462. Oxford: OUP.
- Robert D. Van Valin. *An Overview of Role and Reference Grammar*.  
[www.linguistics.buffalo.edu/people/faculty/vanvalin/vanvalin](http://www.linguistics.buffalo.edu/people/faculty/vanvalin/vanvalin). Online. Accessed on 10.10.2016.
- Rowe, Bruce M. and Diane P. Levine. *A Concise Introduction to Linguistics*. 4<sup>th</sup> Edition. London and New York: Routledge. (Chapter 5)



Yule, George. 2010. *The Study of Language*. Cambridge: CUP. (Chapter 5)

# **SEMESTER II PAPERS**

**LTTL 801C: Semantics**

## **Unit I: Basic Concepts**

Definition, scope and importance of semantics; meaning, aspects of meaning; connotation, denotation, lexical, grammatical and social meaning

## **Unit II: Sense and Reference**

Sense relations- polysemy, homophony, synonymy, antonymy, anomaly, hyponymy; topic and focus; ambiguity, entailment, presupposition and paraphrase; sentences; utterances; propositions

## **Unit III: Semantic theories**

Componential theory, truth conditional theory, generative theory and contextual theory of meaning; logical and field semantics; different types of logic and its application

## **Unit IV: Pragmatics**

Pragmatics and its theories (Austin, Searle, Grice); participant roles; speech acts; Gricean Maxims, metaphor, idiom; deixis.

## **Reading list:**

- Chomsky, N. 1972. *Studies on Semantics in Generative Grammar*. The Hague: Mouton.
- Chierchia, Gennaro and Sally McConnell-Ginet. 1990. *Meaning and Grammar: An Introduction to Semantics*. Cambridge, Mass: MIT Press.
- Fodor, Janet D. 1977. *Semantics: Theories of Meaning in Generative Grammar*. New York: Thomas Y. Crowell.
- Frawley, William. 1992. *Linguistic Semantics*. Hillsdale, N.J.: Erlbaum.
- Hurford, James D. and Brendan Heasley 1983: *Semantics. A Course Book*. London: Cambridge University Press.
- Jackendoff, Ray. 1972. *Semantic Interpretation in Generative Grammar*. Cambridge, Mass: MIT Press.
- Keith, Allan. 2007. *Natural Language Semantics*. Oxford: Blackwell.
- Kempson, Rush M. 1977. *Semantic Theory*. London: Cambridge University Press.
- Leech, Geoffrey N. 1974. *Semantics*. Pelican Books (Chptrs. 1, 2, 6, 11, 13 & 14).  
\_\_\_\_\_. 1981. *Semantics*. London: Penguin.  
\_\_\_\_\_. 1983. *Principles of Pragmatics*. London: Longman (Chptrs. 4 & 5).
- Levinson, Stephen C. 1983. *Pragmatics*. Cambridge: Cambridge University Press.
- Lyons, John. 1995. *Linguistics Semantics*. Cambridge University Press.  
\_\_\_\_\_. 1977. *Semantic Theory*. Cambridge: Cambridge University Press. (Chptrs. 1 & 2).
- Miller, J. E. 1985. *Semantics and Syntax*. Cambridge: CUP.
- Palmer, F. R. 1996. *Semantics*. London: Cambridge University Press.
- Saeed, John I 1969. *Speech Acts*. London: Cambridge University Press.  
\_\_\_\_\_. 1997. *Semantics*. Oxford: Basil Blackwell.

### **Unit I: Language and Society**

Socio-linguistics and sociology of language; Speakers and communities; Speech community; languages, dialects, registers, isoglosses, diffusion and wave theory

### **Unit II: Social and Cultural variation**

Socio-linguistic Variables; Patterns of variation; regional, social and stylistics; Language Repertoire; Sapir and Whorf – linguistic categories and cultures

### **Unit III: Language change and language Contact**

Study of language change in progress; Labov's and Trudgill's linguistics variations; Bilingualism; Multilingualism; Diglossia; Code Switching and Code Mixing; Pidgin; Creoles; Post-Creole Continuum

### **Unit IV: Linguistic Dimensions of Society and Applied Issues**

Issues of Language Maintenance and shift; Borrowing, Interference, Convergence and Divergence; Language Planning; Language Standardization and Modernization; Language: Identity, Power and Gender

### **Reading list:**

Appel, R. and Muysken, P. 1987. *Language Contact and Bilingualism*. London Edward Arnold.

Bayer, Jennifer. 1990. *Language and social identity*. In: *Multilingualism in India*. Clevedon: Multilingual Matters Ltd: 101-111.

Downes, W. 1984. *Language and Society*. London: Fontana Press.

Dua, H. R. 2001. *Science Policy Education and Language Planning*. Mysore: Yashoda Publications.

Fasold, R. and Jaspert K and Kroon S (eds). 1992. *Maintenance and Loss of Minority Languages*. Vol 1. John Benjamins Publishing Co: Amsterdam.

Fasold, P.P. (ed.) 1972. *Language and Social Context*. Harmondsworth: Penguin.

Fasold, R. 1999, *The Sociolinguistics of Language* London: Basil Blackwell.

Grosjean F. 1982. *Life with two Languages: An Introduction to Bilingualism*. Cambridge, Massachusetts: Harvard University Press.

Gumperz, I. and Wilson, I. 1971. *Convergence and Creolization: A Case from the IndoAryan/ Dravidian border in India*. In Gumperz, I. (ed.) *Language in Social Groups*. Stanford: Stanford University Press, (pp.251-273).

Haugen, E. 1950. *Problems of Bilingualism*. *Lingua* 2:271-290.

Haugen, E. 1950. *The Analysis of Linguistic Borrowing*. *Language*. 26:210-231.

Holm, John. 1988. *Pidgins and Creoles*. Vols I & II. Cambridge: Cambridge University Press.

Hudson, R.A. 1980 *Sociolinguistics*. Cambridge: CUP.

Hymes. D. 1974: *Foundations in Sociolinguistics, An Ethnographic Approach*. Philadelphia University of Pennsylvania Press.

Muysken, P. 1984. *Linguistic Dimensions of Language Contact: The State of the Art in Inter-linguistics*. *Revue quebecoise de linguistique* 14:49-76.

- Pattanayak, D. P. 1981. *Multilingualism and Mother Tongue Education*. Delhi: Oxford University Press.
- Romaine, S. 1989. *Bilingualism*. London: Basil Blackwell.
- Sapir, E. 1921. *Language*. New York: Harcourt Brace.
- Sebba, M. 1997. *Contact Languages*, London: Macmillan.
- Wardhaugh, R. 1992.: *An Introduction to Sociolinguistics*, Oxford . Blackwell.
- Williams, G. 1992. *Sociolinguistics*. London: Routledge.

## **LTTL 803C: Historical Linguistics**

### **Unit I: Basic Concepts**

History of historical linguistics; language change - phonological, morphological, syntactic, semantic; motivations for language change - external and internal; attitude towards language change, linguistic classification and reconstruction; family tree model and wave theory; linguistic prehistory; language family and subgrouping; language contact and borrowing; birth and death of languages; methods of analysis - comparative, internal reconstruction, and quantitative; lexicostatistics and glottochronology - Swadesh's formulation and list; cognate

### **Unit II: Sound Change**

Phonetic and phonemic changes; mergers and splits, chain shifts, lenition, fortition, assimilation, dissimilation, epenthesis - prothesis, anaptyxis, excrescence, and paragoge, metathesis, prosodic change, Neogrammarian hypothesis - regularity principle and regularity of language change; milestones in sound change analysis - Grimm's law and Verner's law; sporadic changes

### **Unit III: Morphosyntactic Change**

Word formation process – affixal derivation, zero derivation, reanalysis, back-formation, compounding, taboo replacement, taboo deformation, folk etymology, grammaticalization, degrammaticalization, borrowing and claque, morpheme boundary shift; etymology; syntactic alignment and change - reanalysis, extension, borrowing, and grammaticalization

### **Unit IV: Semantic Change**

Meaning change – externally motivated, generalization and specialization, metaphor, metonymy, reanalysis; analyzing semantic change

### **Reading list**

- Akmajian, Adrian, Richard A. Demers, Ann K. Farmer and Robert M. Harnish. 2010. *Linguistics: An Introduction to Language and Communication*. 6<sup>th</sup> Edition. Cambridge: MIT Press. (Chapters 7 and 8)
- Bybee, Joan and Paul Hopper. 2001. *Frequency and the Emergence of Linguistic Structure*. Amsterdam and Philadelphia: John Benjamin Publishing Company.
- Campbell, Lyle. 1998. *Historical Linguistics: An Introduction*. 3rd edition. Massachusetts: MIT Press.

- Campbell, Lyle, and Mauricio J. Mixco. 2007. *A glossary of Historical Linguistics*. Salt Lake City: The University of Utah Press.
- Fox, Anthony. 1995. *Linguistic Reconstruction: An Introduction to Theory and Method*. Oxford: Oxford University Press.
- Fromkin, Victoria, Robert Rodman and Nina Hyams. 2009. *An Introduction to Language*. Boston: Wadsworth. (Chapter 11)
- Hale, Mark. 2007. *Historical Linguistics: Theory and Method*. Blackwell Textbooks in Linguistics. Malden and Oxford: Blackwell.
- Hock, H & Joseph, B. (2009). *Language History, Language Change & Language Relationship: An Introduction to Historical and Comparative Linguistics*. 2nd Edition. New York: Mouton de Gruyter.
- Jeffers, Robert J., and IlseLehiste. 1979. *Principles and Methods for Historical Linguistics*. Cambridge: MIT Press.
- Lehmann, Winfred P. 1992. *Historical Linguistics*. 3rd edition. London and New York: Routledge.
- Matisoff, James A. 2003. *Handbook of Proto-Tibeto-Burman: System and Philosophy of Sino-Tibetan Reconstruction*. Berkeley and London: University of California Press.
- Matisoff, James A, Stephen P. Baron, and John B. Lowe. 1996. *Languages and Dialects of Tibeto-Burman*. Berkeley: Center for Southeast Asia Studies.
- Trask, R. L. 1996. *Historical Linguistics*. London, New York, Sydney, and Auckland: Arnold.
- Trask, R. L. 2000. *The Dictionary of Historical and Comparative Linguistics*. Chicago and London: Fitzroy Dearborn Publishers.
- Traugott, Elizabeth Closs, and Bernd Heine, eds. 1991. *Approaches to Grammaticalization*. Volumes 1 and 2. Amsterdam and Philadelphia: John Benjamin Publishing Company.
- Yule, George. 2010. *The Study of Language*. 4<sup>th</sup> Edition. Cambridge: CUP. (Chapters 17, 18, and 19).

## **LTTL 804E: Language and Society**

### **Unit I: Basic Concepts**

Analysis of languages; speech varieties - language, dialect, and idiolect; birth and death of languages; sociolinguistic issues

### **Unit II: Language in Society**

Bidirectional relation of language and society; linguistic representation of social structures- age, caste, class, gender, and power; social groups and sociolinguistic variables; taboos and euphemisms

### **Unit III: Social Dimensions of Language**

Social variation of language - standard, prestige, and regional; multilingualism; code switching and mixing; linguistic identity; language shift; reactions to language change; language planning

## **Unit IV: Language and Society in India**

Sociolinguistic issues in India; languages and language families of India; Indian English; counting of languages; language education in India; Indian languages and the Constitution of India

### **Reading list**

Coupland, Nikolas and Adam Jaworski. *Sociolinguistics: A Reader*. New York: Macmillan Education.

Kachru, Braj B., Yamuna Kachru and S. N. Sridhar. *Language in Southasia*. Cambridge: Cambridge University Press.

Meyerhoff, Miriam. 2006. *Introducing Sociolinguistics*. New York: Routledge. (All Chapters)

Wardhaugh, Ronald. 2010. *An Introduction to Sociolinguistics*. (6th Edn). Oxford: Blackwell Publishing Limited. (All Chapters)

# **SEMESTER III PAPERS**

## **LTTL 901C: Generative Phonology**

### **Unit I: Introduction**

Natural Classes; Distinctive Features; Major Class Features; Laryngeal Features; Secondary and Complex Articulation; Prosodic Features

## **Unit II: Feature Geometry**

Distinctive Features; Articulator Theory; Feature Tree; Characterizing Phonological Rules; Spreading, Delinking, Insertion and Deletion; Spreading of Terminal Features; Consonant-Vowel interaction

## **Unit III: Cyclic Phonology**

Derived Environment Rules; Strict Cycle; Lexical Phonology; Elsewhere Condition; Structure Preservations; Multistratal Rules; Word Level

## **Unit IV: Prosodic Phonology**

The syllable; Quantitative approach to syllable; Moraic theory; Compensatory lengthening; Autosegmental phonology: Tone, Nasality, Vowel harmony; CV tie

### **Reading list:**

- Anderson, J. 1979. *The Organization of Phonology*. New York: Academic Press.
- Chomsky, N. and Halle, M. 1968. *The Sound Pattern of English*. New York: Harper and Row.
- Clark, J. C. Yallop. 1990. *An Introduction to Phonetics and Phonology*. Oxford: Basil.
- Clements, G.N. and Keyser, S.J. 1983. *CV-Phonology*. Cambridge, Mass: MIT Press.
- Durand, J. 1990. *Generative and Non-linear Phonology*. London: Longman.
- Giegerich, H. J. 1994. Metrical phonology. In *asdf* Volume 5:2478–2483.
- Goldsmith, J. 1990. *Autosegmental and Metrical Phonology*. Oxford: Basil Blackwell.
- Goldsmith, J (ed)1995. *The Handbook of Phonological Theory*. Cambridge: Blackwell.
- Goldsmith, J (ed)1999. *Phonological Theory: The Essential Readings*. Cambridge: Blackwell.
- Hayes, B. 2009. *Introductory Phonology*. Malden: Blackwell,
- Hockett, C. F. 1955. *Manual of Phonology*. Baltimore: Waverley Press.
- Hooper, J. B. 1976. *An Introduction to Natural Generative Phonology*. New York: Academic Press.
- Jensen, John T. 2004. *Principles of Generative Phonology: An Introduction*. Amsterdam: John Benjamins Publishing Company.
- Kenstowicz, M. 1994. *Phonology in Generative Grammar*. Cambridge: Blackwell.
- Kenstowicz, Michael, and Charles Kisseberth. 1979. *Generative phonology*. San Diego: Academic
- Lass, R. 1984. *Phonology: An Introduction to Basic Concepts*. Cambridge: Cambridge University Press.
- Mohanan, K.P. 1986. *The Theory of Lexical Phonology*. Dordrecht: Reidel.
- Nespor, Marina and Irene Vogel. 1986. *Prosodic Phonology (Studies in Generative Grammar, 28)*. Dordrecht: Foris.
- Rocca, I., and W. Johnson. 1994. *A Course in Phonology*. Oxford: Blackwell.

## **LTTL 902C: Syntax II**

### **Unit I: Preliminaries**

Contemporary theories in syntactic analysis; syntactic structures and syntactic relations;



qualitative and quantitative approaches to syntax; synchronic and diachronic approaches to syntax

### **Unit II: Chomskyan Syntax**

Aspects model; Government and Binding theory; Minimalist Program; analysis within the Chomskyan paradigm; explanation and evidence; language acquisition; diachronic development of syntactic structures

### **Unit III: Functionalist Syntax**

Sentence structure and information structure; communicative aspect of syntax; Greenbergian approach; Givon's approach; Halliday's approach; Role and Reference Grammar; analysis within the functionalist paradigm; explanation and evidence; language acquisition; diachronic development of syntactic structures; corpus

### **Unit IV: Cognitive Linguistic Syntax**

Sentence structure and cognitive structure; conceptual aspects of syntax; Cognitive Grammar; Construction Grammar; Radical Construction Grammar; analysis within the cognitive linguistic paradigm; explanation and evidence; language acquisition; diachronic development of syntactic structures; corpus

### **Reading list**

Akmajian, Adrian, Richard A. Demers, Ann K. Farmer and Robert M. Harnish. 2010. *Linguistics: An Introduction to Language and Communication*. 6<sup>th</sup> Edition. Cambridge: MIT Press. (Chapter 5)

Baker, Mark C. 2003. Syntax. *The Handbook of Linguistics*, ed. by Mark Aronoff and Janie Rees-Miller, pp 265-294. Oxford: Blackwell Publishers.

Bloomfield, Leonard. 1973 [1933]. *Language*. London: George Allen and Unwin Ltd. (Chapters 11 and 12)

Croft, William. 2007. Construction grammar. *Oxford Handbook of Cognitive Linguistics*, ed. by Dirk Geeraerts and Hubert Cuyckens, pp 463-508. Oxford: OUP.

Culicover, Peter W. and Ray Jackendoff. 2006. The simpler syntax hypothesis. *Trends in Cognitive Science*, 10.9: 413-418.

Givon, Talmy. 2001. *Syntax: An Introduction*, Vol. 1. Amsterdam: John Benjamins Publishing Company.

Halliday, M.A.K. A brief sketch of systemic grammar. *On Language and Linguistics: M.A.K. Halliday*, ed. by Jonathan Webster, 180-184. New York: Continuum.

Hockett, Charles F. 1958. *A Course in Modern Linguistics*. New Delhi: Oxford and IBH Publishing Co. (Chapter 17)

Langacker, Ronald. 2007. Cognitive grammar. *Oxford Handbook of Cognitive Linguistics*, ed. by Dirk Geeraerts and Hubert Cuyckens, pp 421-462. Oxford: OUP.

Radford, Andrew, Martin Atkinson, David Britain, Harald Clahsen and Andrew Spencer. 2009. *Linguistics: An Introduction*. 2<sup>nd</sup> Edition. Cambridge: CUP. (Part III)

Robert D. Van Valin. *An Overview of Role and Reference Grammar*.

[www.linguistics.buffalo.edu/people/faculty/vanvalin/vanvalin](http://www.linguistics.buffalo.edu/people/faculty/vanvalin/vanvalin). Online. Accessed on 10.10.2016.

Rowe, Bruce M. and Diane P. Levine. *A Concise Introduction to Linguistics*. 4<sup>th</sup> Edition. London and New York: Routledge. (Chapter 5)

Yule, George. 2010. *The Study of Language*. Cambridge: CUP. (Chapter 5)

## **LTTL 903C: Lexicography**

### **Unit I: Linguistic perspective**

Lexicology and lexicography; lexicography and linguistics; lexicon and grammar; lexical units—form and function, lexeme and word

### **Unit II: Lexemes and lexical meaning**

Simple and composite; nature of combinations - set and free; set combinations, compounds, multiword, lexical units, proverbs and idioms; variations- dialectal variations, standard and non-standard; meaning-denotative and connotative; contextual meaning - polysemy, homonymy, synonymy, antonymy, hyponymy

### **Unit III: Types of Dictionaries and Dictionary making**

Criteria for dictionary classification, types of dictionaries; Synchronic vs. diachronic/historical, restricted/special vs. non-restricted/general, mono-lingual, bi-lingual and multi-lingual, thesaurus and encyclopedia; selection of entry for dictionary, arrangement of entries- alphabetic labeling and grammatical description, notation and format - purpose and scope, reader's guide, guide to pronunciation, abbreviations, use of punctuations and symbols

### **Unit IV: Specific Problems**

Data collection; selection and arrangement of entries; preparation of dictionaries of an unwritten language; spelling and pronunciation; phonetic transcription; interpretation of cultural specific meaning

### **Reading list:**

Akhmanova, O. (ed).1972.*Lexicology: Theory and Method*. Moscow.

Annaimalai, E.1978.*The Nature of Lexicography*, CIIL, JamiaMilia, New Delhi.

Dash, NiladriSekhar. 2007. The art of Lexicography. In VesnaMuhvic-Dimanovski and LelijaSocanac (eds). *Encyclopedia of Life Support Systems*. Oxford: EOLSS Publishers. (P. 225-276).

Gimson, A.C.1973.*Phonology and the Lexicography in R I. McDavid and A.R. Dukert*.

Jackson, Howard. 2002eb. *Lexicography: An Introduction*. New York: Routledge.

Katre, S.M.1965.*Lexicography*. Annamalai Nagar. Annamalai University.

Kurath, M. 1961. *The Semantic Patterning of Words*. Washington: Georgetown University.

Landau, S.I.1989.*Dictionaries: The art and craft of Lexicography*. Cambridge.

Lipka, L. 1990. *An Outline of English Lexicology*. Tubingen: Max Niemeyer.

Sebeok, T. A. (Ed).1963.*Current Trends In Linguistics, Vol. I*. The Hague: Mouton.

Singh, R. A. 1983. *Lexicology and Lexicography*. Mysore: CIIL.

Zgusta, L. 1971. *Manual of Lexicography*. The Hague: Mouton.

## **LTTL 905E: Analysis of Endangered Languages**

### **Unit I: Basic Concepts**

Concept of endangered languages; steps for safeguarding endangered languages; documentation

### **Unit II: Phonology**

Phonemics- segmental and suprasegmental; description and distribution of vowels; description and distribution of consonants

### **Unit III: Morphology**

Concept of morpheme, morph and allomorphs; root, stem and base; affixation and compounding; inflection and derivation; case marking

### **Unit IV: Syntax**

Words vs. phrases; Sentence and its different types; clauses and its different types; relative clause structure; passive constructions

### **Reading list:**

- Austin, P.L. & Sallabank, J. (eds.). *The Cambridge Handbook of Endangered Languages*. Cambridge: CUP.
- Crystal, D. 2000. *Language Death*. Cambridge: CUP.
- Dalby, Andrew. 2002. *Language in Danger*. London: Penguin.
- Daniel, N. et al. 2000. *Vanishing Voices: The Extinction of the World's Languages*. New York: OUP.
- Dorain N. 1989 (Ed.). *Investigating Obsolescence: Studies in Language Contraction and Death*. Cambridge: CUP.
- Dwyer, A.M. 2009. Tools and techniques for endangered-language assessment and revitalization. *In Vitality and Viability of Minority Languages*. October 23-24, 2009. New York: Trace Foundation Lecture Series Proceedings.
- Gippert, J., Himmelmann N.P. and Mosel, U. (eds.). 2006. *Essentials of Language Documentation*. Berlin & New York: Mouton de Gruyter.
- Harrison D. 2007. *When Languages Die: the Extinction of Human Knowledge*. Oxford: OUP.
- Hinton, L. 2003. Language revitalization. *Annual Review of Applied Linguistics*. Vol. 23: 44-57.
- Kroeger, P. R. 2015. *Analyzing Grammar: An Introduction*. Cambridge: CUP.
- Lenore et al. 1998 (Ed.). *Endangered Languages: Language Loss and Community Response*. Cambridge: CUP.
- Lieber, Rochelle, 2009. *Introducing Morphology*. Cambridge: Cambridge University Press.
- McMahon, A. 2002. *An Introduction to English Phonology*. Edinburgh: Edinburgh University Press.
- Miller, Jim. 2002. *An Introduction to English Syntax*. Edinburgh: Edinburgh University Press.
- Radford, A & et al, 2009. *Linguistics: An Introduction*. Cambridge: Cambridge University Press.
- Spolsky, B. 2004. *Language Policy*. Cambridge: Cambridge University Press.
- Yule, George. 2010. *The Study of Language*. Cambridge: Cambridge University Press.

### **Journals**

*Language Documentation & Conservation* (<http://nflrc.hawaii.edu/ldc/>) (Edited by Vera Ferreira and Peter Bouda).

# SEMESTER IV PAPERS

## **LTTL 1001C: Language Typology and Linguistic Universals**

### **Unit I: Basic Concepts**

Language typology – theories and methods; Chomskyan paradigm; Greenbergian paradigm; Functionalist paradigm; Cognitive Linguistic paradigm; human cognition, material cultural, and language; language typology and historical linguistics; linguistic area; linguistic universals; dimensions of linguistic variation

## **Unit II: Language Typology**

Phonological typology; phonetic inventory and phonemic inventories; word order typology; basic word order; variation in basic word order; fixed word order and free word order; clause ordination; subordination and coordination strategies; semantic typology; verb framed vs. satellite framed languages; event encoding properties

## **Unit III: Linguistic Universals**

Sound universals; basic vowel and consonant inventories; morphosyntactic universals; common paths of grammaticalization; semantic universals

## **Unit IV: Languages of India**

Typology of Indian languages; India as a linguistic area; examples from Indian languages for linguistic universals

### **Reading list**

Bybee, Joan and Paul Hopper. 2001. *Frequency and the Emergence of Linguistic Structure*. Amsterdam and Philadelphia: John Benjamin Publishing Company.

Caffarel, Alice, J.R. Martin, and Christian M.I.M. Matthiessen. 2004. *Language Typology: A Functional Perspective*. Amsterdam and Philadelphia: John Benjamin Publishing Company.

Debnath, Rupak. 2014. *Kokborok: Language Origin and Development*. Khumulwng: Tripura Tribal Areas District Council.

Greenberg, Joseph. 1974. *Language Typology: A Historical and Analytical Overview*.

Hock, H & Joseph, B. (2009). *Language History, Language Change & Language Relationship: An Introduction to Historical and Comparative Linguistics*. 2nd Edition. New York: Mouton de Gruyter.

Jeffers, Robert J., and IlseLehiste. 1979. *Principles and Methods for Historical Linguistics*. Cambridge: MIT Press.

Krishnamurthi, Bh. 2003. *The Dravidian languages*. Cambridge: Cambridge University Press.

Masica, Colin P. 1993. *The Indo-Aryan Languages*. Cambridge: Cambridge University Press.

Matisoff, James A. 1999. In Defense of Kamarupan. *Linguistics of the Tibeto-Burman Area*, Vol. 22.2, 173-182.

Matisoff, James A. 2003. *Handbook of Proto-Tibeto-Burman: System and Philosophy of Sino-Tibetan Reconstruction*. Berkeley and London: University of California Press.

Moravcsik, Edith A. 2013. *Introducing Language Typology*. Cambridge: Cambridge University Press. (All Chapters)

Matisoff, James A, Stephen P. Baron, and John B. Lowe. 1996. *Languages and Dialects of Tibeto-Burman*. Berkeley: Center for Southeast Asia Studies.

Ramat, Paolo. 1987. *Linguistic Typology*. Berlin: Mouton de Gruyter.

Shopen, Timothy (ed.). 2007. *Language Typology and Syntactic Description*. Vol. 1: Clause Structure. Cambridge: Cambridge University Press.

Shopen, Timothy (ed.). 2007. *Language Typology and Syntactic Description*. Vol. 2: Complex Constructions. Cambridge: Cambridge University Press.

Shopen, Timothy (ed.). 2007. *Language Typology and Syntactic Description*. Vol. 3: Grammatical Categories and the Lexicon. Cambridge: Cambridge University Press.

Song, Jae Jung (ed). 2011. *The Oxford Handbook of Linguistic Typology*. Oxford: Oxford University Press.

## **LTTL 1002C: Structure of Tibeto-Burman Languages**

### **Unit I: Phonology**

Sound Systems: Vowel Systems and Consonant Systems; Phonotactics; Syllable Structure; Suprasegmentals; Phonological Processes; Tonal Typology

### **Unit II: Morphology**

Inflectional and Derivational Morphology; Nouns; Verbs; Adjectives; Word Formation: Affixation, Agglutination, Compounding, Morphological Alterations, Reduplication, Expressives, Quotative Constructions; Person, Number, Gender, Numerals, Classifiers

### **Unit III: Syntax**

Case Marking; Agreement Patterns; Transitivity; Grammaticalization; Nominalization; Relativization; Clause Structure, Subordination, Complementation, Clause Chains; Concatenation; Tense And Aspect; Causatives; Evidentiality; Negation

### **Unit IV: Comparative Study**

Bodo-Garo-Koch, Kuki-Chin and Naga Languages; Comparison between Tibeto-Burman Languages in Northeast India

### **Reading List:**

Aikhenvald, Alexandra Y. and R.M.W. Dixon. (eds.). 2006. *Serial Verb Constructions: A Cross-Linguistic Typology*. Oxford: Oxford University Press.

Benedict, P.K. 1972. *Sino-Tibetan: A Conspectus*. New York: Cambridge University Press.

Bradley, David. (ed.) 1979. *Tibeto-Burman languages of Himalayas*, Canberra: Australian National University.

DeLancey, Scott. 1990. 'Sino-Tibetan Languages', in Bernard Comrie (ed.) *The World's Major Languages*, London: Croom Helm.

Dixon, R.M.W. 1994. *Ergativity*. Cambridge: Cambridge University Press.

Thurgood, Graham and Randy J. LaPolla. (eds.). 2003. *The Sino-Tibetan Languages*. London and New York: Routledge.

Matisoff, J.A. 2003. *Handbook of Proto-Tibeto-Burman: System and Philosophy of Sino-Tibetan Reconstruction*. Berkeley: University of California Press.

Namkung, Ju, 1996. *Phonological Inventories of Tibeto-Burman Languages*. Sino-Tibetan Etymological Dictionary and Thesaurus Project, Center for Southeast Asia Studies, University of California.

Weidert, Alfons. 1987. *Tibeto-Burman Tonology: A Comparative Analysis*. John Benjamins Publishing.

North East Indian Linguistics, Volume 1-5.

## **LTTL 1003C: Field Linguistics**

### **Unit I: Concepts of Field Linguistics**

Concepts and objectives of Field Linguistics; bilingual vs monolingual fieldwork; selection of language; selection of area; selection of informants; participant observation

### **Unit II: Questionnaire and Equipment**

Concept and preparation of questionnaire; basic word list; other questionnaire related to words (body parts; flora and fauna, celestial bodies etc.); audio and video recorder, data management, data back-up (making CDs, typing, digitizing data)

### **Unit III: Data Collection and Analysis**

Usage of IPA and training; Data elicitation; collection of narrations, folk tales, folk songs, and other indigenous knowledge based information; data analysis, discussion and interpretation

### **Unit IV: Research Ethics**

Anti-plagiarism, copyright issues, literature review, preparation of bibliography

### **Reading list:**

Abbi, Anvita. 2001. *A manual of linguistic fieldwork and Structures of Indian Languages*. Munich: LincomEuropa.

Bowern, Claire. 2008. *Linguistic fieldwork*. New York: Palgrave Macmillan.

Briggs, Charles L. 1986. *Learning How to Ask: A Sociolinguistic Appraisal of the Role of the Interview in Social Science Research*. Cambridge: Cambridge University Press.

Burling, Robbins. 2000. *Learning a Field Language*. Prospect Heights, Illinois: Waveland Press.

Chelliah, S. L. & De Reuse, W.J. 2011. *Handbook of Descriptive Linguistic Fieldwork*. New York: Springer.

Crowley, Terry & Nick Thieberger. 2007. *Field Linguistics: A Beginner's Guide*. (Oxford: Oxford University Press.

Day, R.A., 1992. *How to Write and Publish a Scientific Paper*. Cambridge: CUP.

Fink, A., 2009. *Conducting Research Literature Reviews: From the Internet to Paper*. Sage Publications.

Fishman, J, A. (ed) 1999. *Handbook of Language and Ethnic Identity*. Oxford, Oxford University Press.

Garg, B.L., Karadia, R., Agarwal, F. & Agarwal, U.K., 2002. *An Introduction to Research Methodology*. RBSA Publishers.

Grierson, G. A. 1903-28. *Linguistic Survey of India, Vol. 1-14*. Delhi: Motilal Banarasidas.

Kothari, C.R., 1990. *Research Methodology: Methods and Techniques*. New Age International.

- Newman, Paul & Martha, Ratliff.(ed.) 2001.*Linguistic Fieldwork*. Cambridge: Cambridge University Press.
- Narasimha, Rao, K. V. V. L. & Jennifer Bayer. 2000. *Research Methodology in Linguistics*. Mysore, CIIL.
- Vaux, B. & Cooper, J. 1999.*Introduction to Linguistic Field Methods*. Munich: LincomEuropa.

### **LTTL 1004C: Dissertation**

This course aims at providing training to students to elicit data from a Language or Dialect, which is preferably not/less studied scientifically with a view to describing and analyzing it. Every student will be assigned with different aspects of a language or the same aspect of different languages. The respective guide (after allotment of guide) will encourage the students to observe the elicited data and come up with significant generalizations. Students will submit 02 (two) copies of the Dissertation/Project Report to the Department through the respective guide before the last date of the IV-Semester end-term examinations.

The internal assessment of this term paper of 100 marks will be 30 marks which will be conducted in the form of Presentation.

#### **Reading list:**

- Abbi, Anvita, 2001. *A manual of Linguistic Field Work and Structures of Indian Languages*. Freiburg: Lincom Europa.
- Briggs, Charles L. 1986. *Learning How to Ask: A Sociolinguistic Appraisal of the Role of the Interview in Social Science Research*. Cambridge: Cambridge University Press.
- Devy, G.N. (ed.) 2013. *The People's Linguistic Survey of India*. Orient Blackswan.
- Fink, A., 2009. *Conducting Research Literature Reviews: From the Internet to Paper*. Sage Publications.
- Fishman, J, A. (ed) 1999. *Handbook of Language and Ethnic Identity*. Oxford, Oxford University Press.
- Grierson, G. A. 1903-28. *Linguistic Survey of India, Vol. 1-14*. Delhi: Motilal Banarasidas.
- Kothari, C.R., 1990. *Research Methodology: Methods and Techniques*. New Age International.
- Narasimha, Rao, K. V. V. L. & Jennifer Bayer. 2000. *Research Methodology in Linguistics*. Mysore, CIIL.
- Singh, K. S. 1998. *People of India*. Kolkata, Anthropological Survey of India.



## LTTL 1005E:A Foundation Course in Phonetics

### Unit I: Introduction:

Basic Concepts and Terminologies; Anatomy & Physiology Of Speech Production: Respiratory System, Laryngeal System, Articulatory System; Acoustic Phonetics; Auditory Phonetics

### Unit II: Classification of Speech Sounds:

Vowels: Monophthongs, Diphthongs, Cardinal Vowels; Consonants: Place And Manner Of Articulations

### Unit III: Prosodic Features:

Syllable; Length; Stress; Tone; Intonation

### Unit IV: Transcription:

The phonetic chart (IPA); Transcription: Phonetic and Phonemic Transcription; Transcription Practice

### Reading list:

- Abercrombie, D. 1967. *Elements of General Phonetics*. Edinburgh: Edinburgh University.
- Catford, J.C. 1988. *A Practical Introduction to Phonetics*. Oxford: Oxford University Press.
- Chomsky, N. & Halle, 1986. M., *The Sound Pattern of English*, New York: Harper and Row.
- Clark, J. & Yallop, C. 1990. *An Introduction to Phonetics and Phonology*. Oxford, Basil Blackwell.
- Hyman, Larry M. 1975. *Phonology: Theory and analysis*. N.Y.: Holt Rinehart and Winston.
- Katamba, F. 1989. *An Introduction to Phonology*. Longman Group UK Limited.
- Ladefoged, P., 2011. *A Course in Phonetics*. Keith Johnson University of California, Berkeley.
- Ladefoged, P. 2001. *Vowels and consonants: An Introduction to the Sounds of the Languages of the World*. Oxford: Blackwell.
- Ladefoged, P & Maddieson, I. 1996. *The Sounds of the World's Languages*. Oxford: Blackwell.
- Leiberman, P. & Blumstein, S. 1988. *Speech Physiology, Speech Perception and Acoustic Phonetics*. Cambridge: Cambridge University Press.
- Ogden, R. 2009. *An Introduction to English Phonetics*. Edinburgh University Press.
- Roach, P. 1995. *English Phonetics and Phonology: a Practical Course*. Cambridge: Cambridge University Press.