

Department of Linguistics
University of Mumbai
Santacruz (East)
Vidyanagari
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INDIA

Syllabus For
CERTIFICATE COURSE IN
PHONETICS AND PHONOLOGY
(20 - 20)

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A Certificate Course in Phonetics and Phonology

The main objective of this course is to introduce basic concepts of phonetic and phonological analysis. This course aims at acquainting students with the mechanisms of speech production and to train them to perceive, identify and transcribe speech sounds using the IPA symbols. The course also aims to introduce concepts and techniques that would equip the students to undertake a basic phonological analysis of natural languages.

Duration of the Course: One academic year

Eligibility:

A candidate for being eligible for admission to the **Certificate Course in Phonetics and Phonology** must have passed the HSC (Std. XII) examination conducted by the Maharashtra State Board of Higher Secondary Education or an equivalent examination conducted by any other educational body recognized by the University of Mumbai.

Intake Capacity: 50 students

Fees:

Registration/ Admission Fee :	Rs. 40/-
Tuition Fee :	Rs. 2000/-
Examination Fee :	Rs. 300/-

Examination Pattern:

The examination for the Certificate Course shall be held once at the end of every academic year. In order to qualify for the Certificate, the candidate must obtain (minimum) 40% of the total in the written and oral examinations separately. Total evaluation will be out of 150 marks.

Written Examination :	100 marks	(Duration: 3 hours)
Oral Examination / Practical :	50 marks	

Syllabus:

I. Setting the stage:

1. The role of sounds in communication
2. The domain of phonetics
3. Major branches of phonetics: articulatory, acoustic and auditory phonetics

II. Physiology and anatomy of speech production:

1. Phases of speech
2. Speech organs and their functions

III. Basic components of speech production:

1. Initiation or air-stream mechanism
Types of air-stream mechanisms:
 - a. Ingressive and egressive air-stream
 - b. Pulmonic air-stream mechanism
 - c. Velaric air-stream mechanism
 - d. Glottalic air-stream mechanism
2. Phonation (states of the glottis)
Phonation types
3. Articulation: place and manner of articulation; various stricture types

IV. Classification and description of speech sounds:

1. Distinction between consonants and vowels
2. Articulatory and acoustic criteria for classification and description of consonants
3. Articulatory and acoustic criteria for classification and description of vowels
4. Semivowels
5. Diphthongs and triphthongs

V. Co-articulation and Sequences:

1. Co-ordinate articulation
2. Secondary articulation
3. Homorganic, heterorganic and contiguous sequences
4. Transitions: open and closed transitions, juncture

VI. The syllable:

1. Notion of the syllable, notions of *Varna* and *Akshara* in Indian tradition
2. Obligatory component of the syllable: the peak
3. Form/ structure of a syllable

VII. Prosody:

1. Prosodic features: pitch, length, loudness
2. Stress: primary and secondary stress, relation of stress with loudness, length and prominence, rhythm
3. Tone: pitch contours, types of tones, toneme and tonal languages

4. Intonation: intonation groups, structure of the tone unit; functions of intonation: attitudinal function, accentual function, grammatical function, discourse function.

VIII. Phonetics in Indian tradition:

Introduction to *Paniniya Shiksha*

IX. Phonology: Introduction

1. Relation of Phonetics and Phonology
2. Notion of a phoneme: distinctiveness, phoneme-phone-allophone, archiphoneme
3. Psychological reality of a phoneme

X. Identification of phonemes of a language (Discovery procedures)

1. Complementary distribution, contrastive distribution and free variation
2. Phonetic similarity
3. Pattern congruity
4. Economy

XI. The Distinctive Feature Theory and Generative Phonology:

1. Inventory of phonemes and phonological system
2. The need for distinctive features
3. Phonetic features: classification of sounds revisited
4. Distinctive Feature Theory and Generative phonology
5. Natural class
6. Redundancy and the feature matrix of phonemes of a language
7. Markedness
8. Underlying and surface representations
9. Phonological rules: rule writing, rule ordering
10. Phonology and grammar

XIII. Morphophonemics:

1. Interaction of phonology and morphology: the notion of a morpho-phoneme
2. Morphophonemic alternations
3. Morphophonological processes

XIV. Sound systems of languages:

In this module the students will be exposed to the sound systems of some of the languages of the world.

Reading List:

Bolinger Dwight (ed), 1972, *Intonation*, Harmondsworth: Penguin Books Ltd.

Catford J.C., 1988, *A Practical Introduction to Phonetics*, Oxford: Clarendon Press.

Davenport & Hannahs, 2005, *Introducing Phonetics and Phonology*, London: Hodder Arnold.

Deshpande Madhav, 2001, 'Ancient Indian Phonetics', in Charles W. Kreidler (ed), *Phonology: Critical Concepts vol. I*, London and New York: Routledge.

Deshpande Madhav, 2001, 'Panini and The Distinctive Features', in Charles W. Kreidler (ed), *Phonology: Critical Concepts vol. II*, London and New York: Routledge.

Fromkin Victoria et al (eds), 2000, *Linguistics: An Introduction to Linguistics*, Cambridge: Blackwell.

Fudge E.C. (ed), 1973, *Phonology*, Harmondsworth: Penguin.

Goldsmith J. (ed), 1995, *The Handbook of Phonological Theory*, Cambridge: Blackwell.

Gussmann Edmund, 2002, *Phonology: Analysis and Theory*, Cambridge: Cambridge University Press.

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

Jakobson Roman, 1978, *Six Lectures on Sound and Meaning*, Hassocks: The Harvester Press.

Kenstowicz Michael, 1994, *Phonology in Generative Grammar*, Cambridge MA & Oxford UK: Blackwell.

Kenstowicz M. & Charles Kisseberth, 1979, *Generative Phonology: Description & Theory*, New York: Academic Press.

Ladefoged Peter, 1993, *A Course in Phonetics*, New York: Hartcourt Brace Jovanovich Publishers (3rd edition).

Laver J., 1994, *Principles of Phonetics*, Cambridge: Cambridge University Press.

MacMohan Michael K.C., 1996, 'Phonetic Notation', in Peter Daniels & W. Bright (eds), *The World's Writing Systems*, New York: Oxford University Press.

Roach Peter, 1991, *English Phonetics and Phonology*, Cambridge: Cambridge University Press (2nd edition).

Rocca Iggy & Wyn Johnson, 1999, *A Course in Phonology*, Oxford and Massachusetts: Blackwell Publishers.

Pike K.L., 1947, *Phonemics*, Ann Arbor: University of Michigan Press.

Odden David, 2005, *Introducing Phonology*, Cambridge: Cambridge University Press.

Schane Sanford A., 1973, *Generative Phonology*, New Jersey: Prentice Hall Inc.
