



Summer School in Asian Language Processing

1st June – 12th August, 2006

Course: **Phonetics and Phonology**
Course Instructor(s): Sarmad Hussain
Teaching Assistant(s): Murwa Bhatti
Text Book(s): A Course in Phonetics (2000), by P. Ladefoged (CP)
 The Acoustics of Speech Communication (1999), by J. M. Pickett (SC)
 Understanding Phonology (2005), by C. Gussenhoven & H. Jacobs (UP)
Grades: Quizzes 20%, Labs 30%, Mid-term Exam 25%, End-term Exam 25%

Schedule of Lectures		Reading	Schedule of Lab Sessions
1	Introduction to Linguistics, Vocal Tract	CP1	
2	Articulatory Phonetics: Consonantal Places of Articulation	CP2,7	
3	Articulatory Phonetics: Consonantal Manners of Articulation	CP2,3,7	
4	Articulatory Phonetics: Phonation, VOT and Air Stream Mechanisms	CP6	Lab1.1: Consonantal Inventory of Native Language
5	Articulatory Phonetics: Vowel Articulation	CP4,9	Lab1.2: Vocalic Inventory of Native Language
6	Suprasegmentals: Intonation, Stress, Tone	CP5,10	Quiz on Articulatory Phonetics
7	Introduction to Sound Waves, Periodic and Complex Waves, Resonance, Fourier Theorm, Spectrum	SC2	
8	Source-Filter Theory of Speech Production	SC3	
9	Acoustic Phonetics: Glottal Source and Vowel Spectra	SC3,4	
10	Acoustic Phonetics: Vowels and Approximants	SC4,6	Lab2: Acoustics of Vowels
11	Acoustic Phonetics: Fricatives, Stops	SC7,8	
12	Acoustic Phonetics: Affricates, Nasals, Place of Articulation	SC7,9	Lab3: Acoustics of Consonants
13	Acoustic Phonetics: Prosodic and Tonal Features	SC5	
14	Speech Perception	SC11,12	Midterm on Phonetics
15	Phoneme and Allophones, Feature Systems	UP2,3,4,5	
16	Phonological Rules: Assimilation, Deletion, Epenthesis, Metathesis, & Rule Ordering	UP6,7	Lab4: Rules of Native Language
17	Feature Geometry	UP11	
18	Syllable, SSP and MOP	UP10	Lab5: Syllabification of Native Language
19	Tone and OCP, Stress	UP9,13	
20	Stress	UP13,14	Lab6: Tone and Stress in Native Language
			Endterm on Phonology