

Linguistics 341 Mid-term Review Study Guide

Know the IPA symbols for:
the sounds of English
stops
nasals
trills
clicks
ejectives
implosives

Be able to describe each consonant symbol we have learned in terms of its:
airstream mechanism
place of articulation
phonation type (voiced/voiceless)
manner of articulation, including:
aperture (stop, fricative, affricate, approximant)
nasality (nasal/oral)
laterality (lateral/central)
retroflexion

Be able to describe each English vowel symbol in terms of its:
height (high, mid-high, mid-low, low)
front/central/back
rounding
tense/lax

...and vice versa. If given the description, be able to write the symbol.

Also be able to identify different places of articulation (as in a mid-sagittal diagram).

Know how to give a narrow transcription for short English sentences. In doing so, be aware of the IPA diacritics we've covered for things like:

- nasalization
- voicelessness
- stress
- syllabic consonants
- unreleased stops
- aspiration
- velarization ("dark" [!])
- dentalized
- fronter/backer
- length

Suprasegmentals:

- tone
- pitch accent
- stress
- length (quantity, duration)
- syllables (onset, nucleus, coda)
- sonority

Concepts:

Phonetic transcriptions: broad vs. narrow

Minimal Pairs

Phonemes, Allophones

The basic physics of airflow

The aerodynamics of voicing and trills

The Bernoulli effect

Boyle's Law

Cardinal Vowels

Acoustics

Know what's represented in each of the following diagrams:

- waveforms
- pitch tracks
- intensity traces

Acoustic theory:

- periodic waves
- sine waves
- complex waves
- frequency
- period
- fundamental frequency (F0)
- amplitude
- RMS amplitude
- intensity
- decibels