

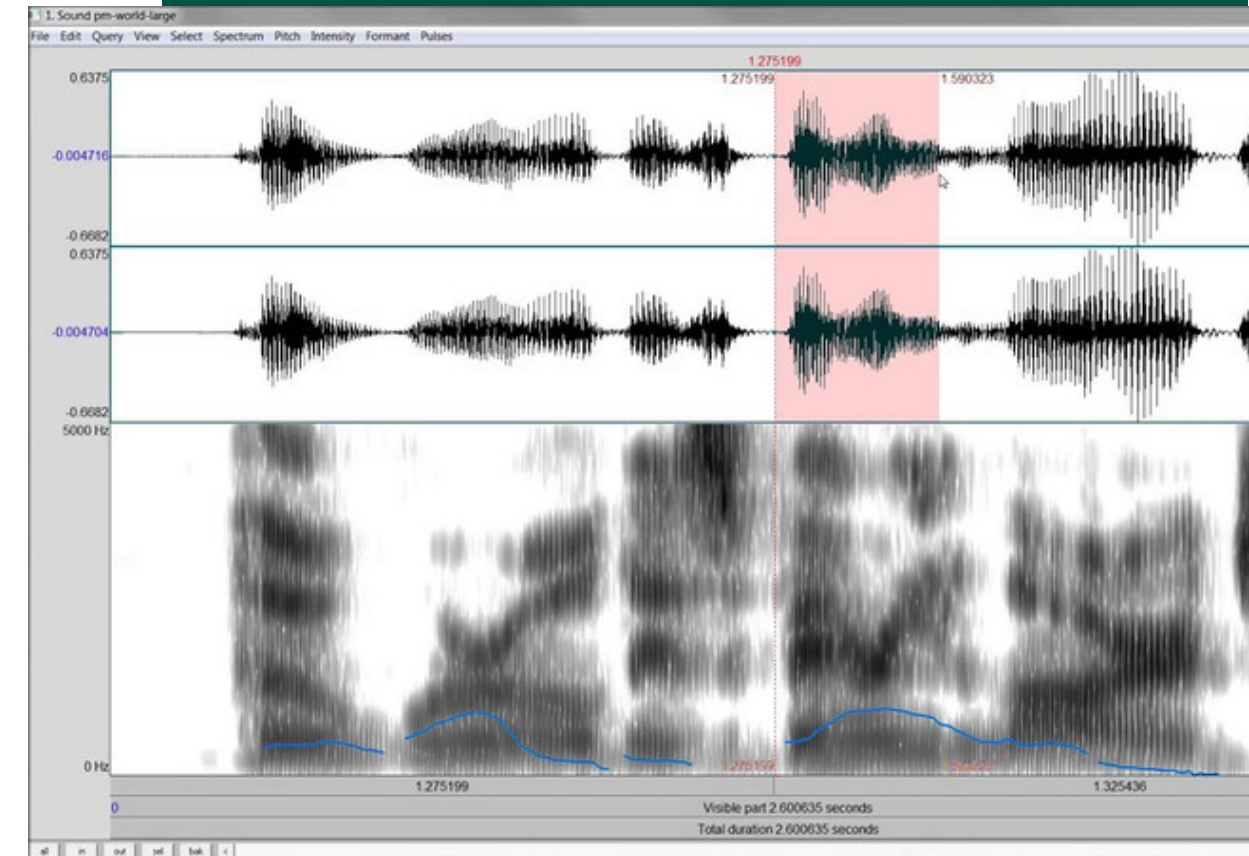
LNG1101

Introduction to Linguistics

Week 5 : Phonetics & Phonology (Suprasegmental Units)

English Department

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Guest Speaker

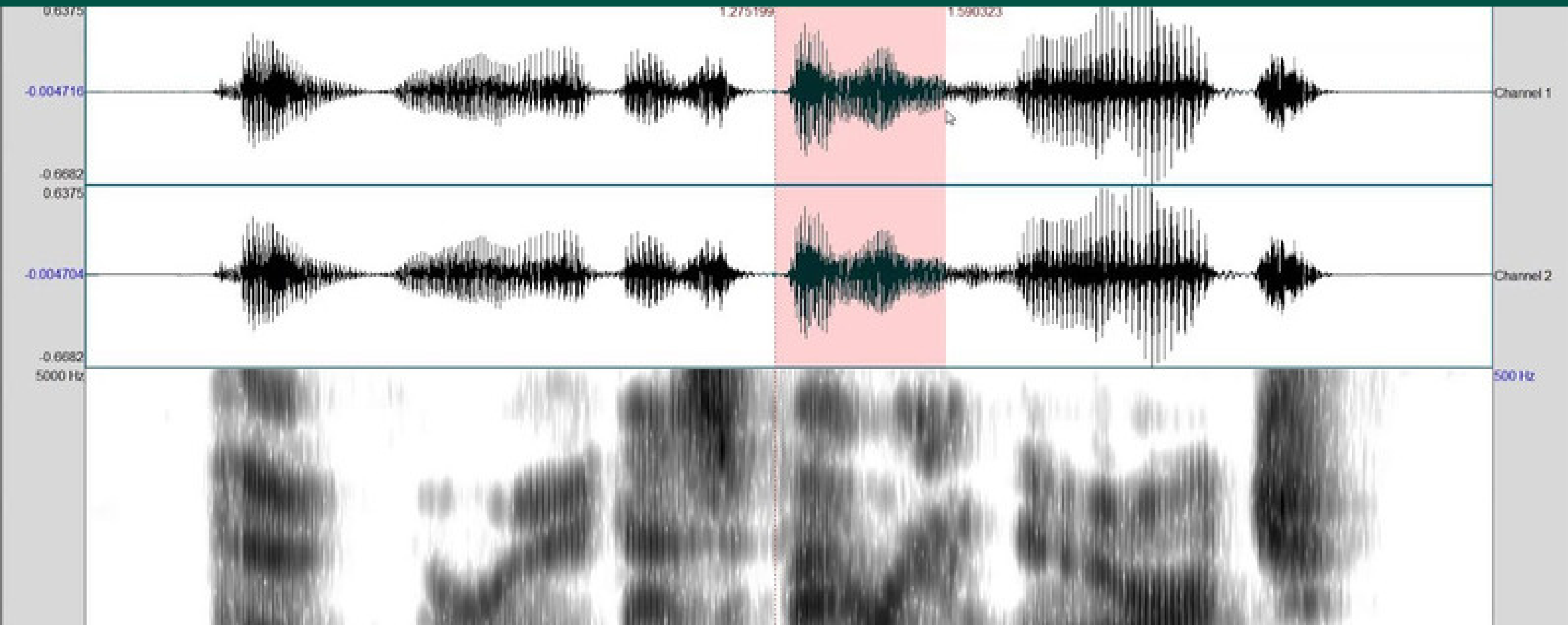
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Suprasegmentals



Suprasegmentals

All phones have certain inherent **suprasegmental** or **prosodic** properties that form part of their makeup no matter what their place or manner of articulation. These properties are:



pitch



loudness



length

Pitch

Pitch is the rise and fall of our voice when we speak, sometimes called "highness" or "lowness." We use pitch to give subtle meaning to sentences.

In Thai, different pitches function as **tones** which convey different meaning in word levels.

In English, Pitch is directly related to word and syllable **stress** and **intonation**.

Stress



Stress

Stress or accent is the relative emphasis or **prominence** given to a certain syllable in a word or to a certain word in a phrase or sentence.

The stress placed on syllables within words is called **word stress**.

The stress placed on words within sentences is called **sentence stress** or **prosodic stress**.

Word Stress

Word stress is the emphasis or change in pitch in pronouncing a specific syllable in a word.

Unit of Analysis: word

Prominence :

- Articulatory Characteristic
- Different pitch levels
- Loudness
- Length

/kəm'pjʊ:tə(r)/

Computer (n.)

Examples of Word Stress

Two Syllable Words

Stress on the 1st syllable: profile, female, invoice, window, program, over, under, valley, husband, rhythm, table, cotton.

Stress on the 2nd syllable: alone, machine, arrive, behind, invent, inform, reform, unknown, antique, canteen, cashier

Examples of Word Stress

Three Syllable Words

Stress on the 1st syllable: appetite, pedigree, photograph, telephone, cataract, quantity, yesterday, innocence, bachelor

Stress on the 2nd syllable: important, encounter, excessive, relation, eleven, uncertain, reentry, tobacco, tomato, embargo

Stress on the 3rd syllable: cigarette, magazine, entertain, personnel, understand, seventeen, afternoon

Examples of Word Stress

Four Syllable Words

Stress on the 1st syllable: cowardliness, melancholy, caterpillar, criticism, telescoping, appetizing, educated, helicopter, counterattack

Stress on the 2nd syllable: acclimatize, unfortunate, remarkable impossible, affirmative, establishment, photography

Stress on the 3rd syllable: unimportant, insufficient, circulation, diplomatic, photographic

Examples of Word Stress

Five Syllable Words

Stress on the 2nd syllable: administrative, empiricism, catholicism

Stress on the 3rd syllable: satisfactory, objectivity, aristocracy rehabilitate, inexactitude, incapacitate

Stress on the 4th syllable: consideration, affiliation, apotheosis, interdependence, antimacassar, circumlocution

Examples of Word Stress

Six Syllable Words

Stress on the 3rd syllable: uncooperative, ceremoniously, indistinguishable

Stress on the 4th syllable: inferiority, impossibility, convertibility,
characteristically, variability meteorological

Stress on the 5th syllable: electrification, identification, personification,
nationalization autobiographic

Examples of Word Stress

Seven Syllable Words

Stress on the 3rd syllable: unilateralism

Stress on the 4th syllable: enthusiastically

Stress on the 5th syllable: unreliability, impenetrability

Stress on the 6th syllable: internationalization

Stress Shifting to Change Function of The Words

	Noun/Adjective	Verb
absent	'æbsent	əb'sent
contract	'kɒntrækt	kən'trækt
desert	'dezət	dɪ'zɜ:t
export	'eksɜ:t	ɪks'pɜ:t
frequent	'fɹi:kwənt	fɹɪ'kwənt

Stress Shifting to Change Function of The Words

	Noun/Adjective	Verb
object	'ɒbdʒɪkt	əb'dʒekt
present	'preznt	pri'zent
rebel	'rebl	ri'bel
segment	'segmənt	seg'ment
survey	'sɜ:vɪ	sə'veɪ

Sentence Stress (Rhythm)

Sentence stress is the pattern of stressed and unstressed words across a sentence.

Unit of Analysis: sentence

The basic rules of sentence stress are:

- Content words are stressed
- Grammatical words are unstressed
- The time between stressed words is always the same

Example

'This is the 'car that 'Mary 'bought.



Weak Forms

ðɪs ɪz ðə / kɑː(r) ðæt / 'meəri / bɔːt

ðɪs ɪz ðə / kɑː(r) ðæt / 'meəri / bɔːt

Linking

lookup

mixup

breakup

thisis the...

washit

a cupof coffee

Intonation



English Intonation

At its simplest, intonation could be described as 'the music of speech'.

A change or variation in this music (or pitch) can affect the meaning of what we say.

Unit of Analysis: word,
phrase or sentence



**Grammatical
Intonation**



**Attitudinal
Intonation**

Grammatical Intonation

Grammatical functions can be changed by changing pitch level at the end of sentences when structures are not changed. There are two types of pitch levels used in grammatical intonation:

Falling

(statement)

Rising

(question)

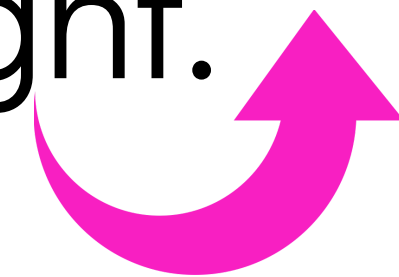
Example

This is the car that Mary bought.



(statement)

This is the car that Mary bought.



(question)

Attitudinal Intonation

Different pitch levels show attitudinal function (for expressing emotions and attitudes).

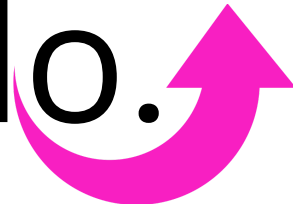
Unit of Analysis: word, phrase or sentence




Example

Q: Do you like it?

A: Yes, I do. 

Yes, I do. 

Yes, I do 



Fall



- Statement
- Wh- Question
- Commands

Taylor is a good singer.



What does she do?



Open the door.



High Rise

Yes or No questions

Are you going?

Can you help me?

Should I say that?

Low to Mid

- Continue Speaking
- Further Information

one, two, three, four and five

I like All Too Well, Red, Midnight Rain and Cardigan.



Fall Rise

Hesitation
Add a
subheading

Q: Do you like Phonology?



A: Yes.

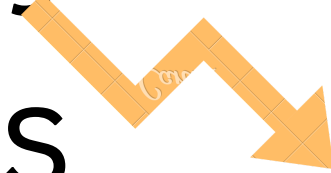
Rise Fall



- Strongly agree/ disagree
- Surprise

Q: Taylor Swift is a good song writer, right?

A: Yes

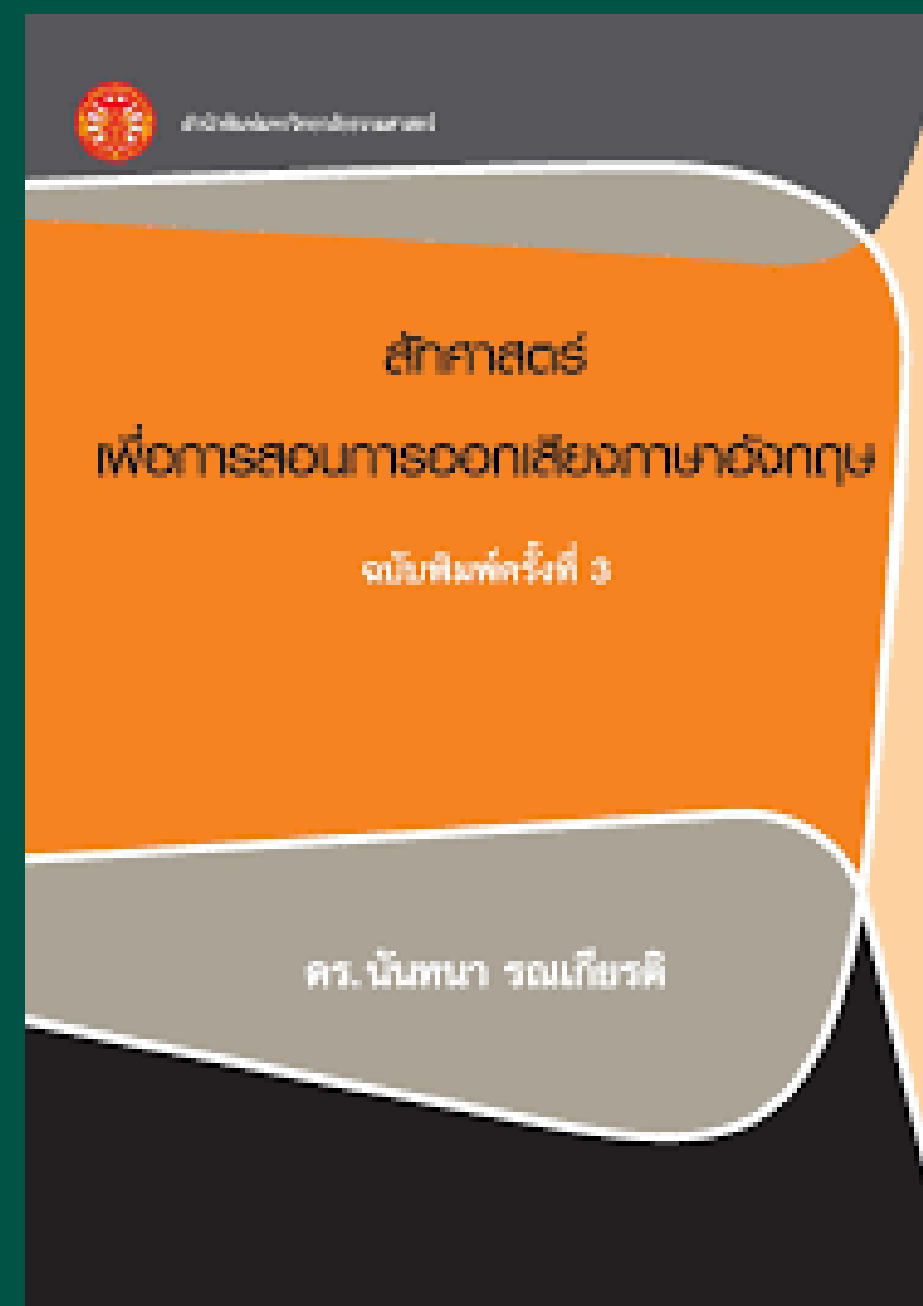
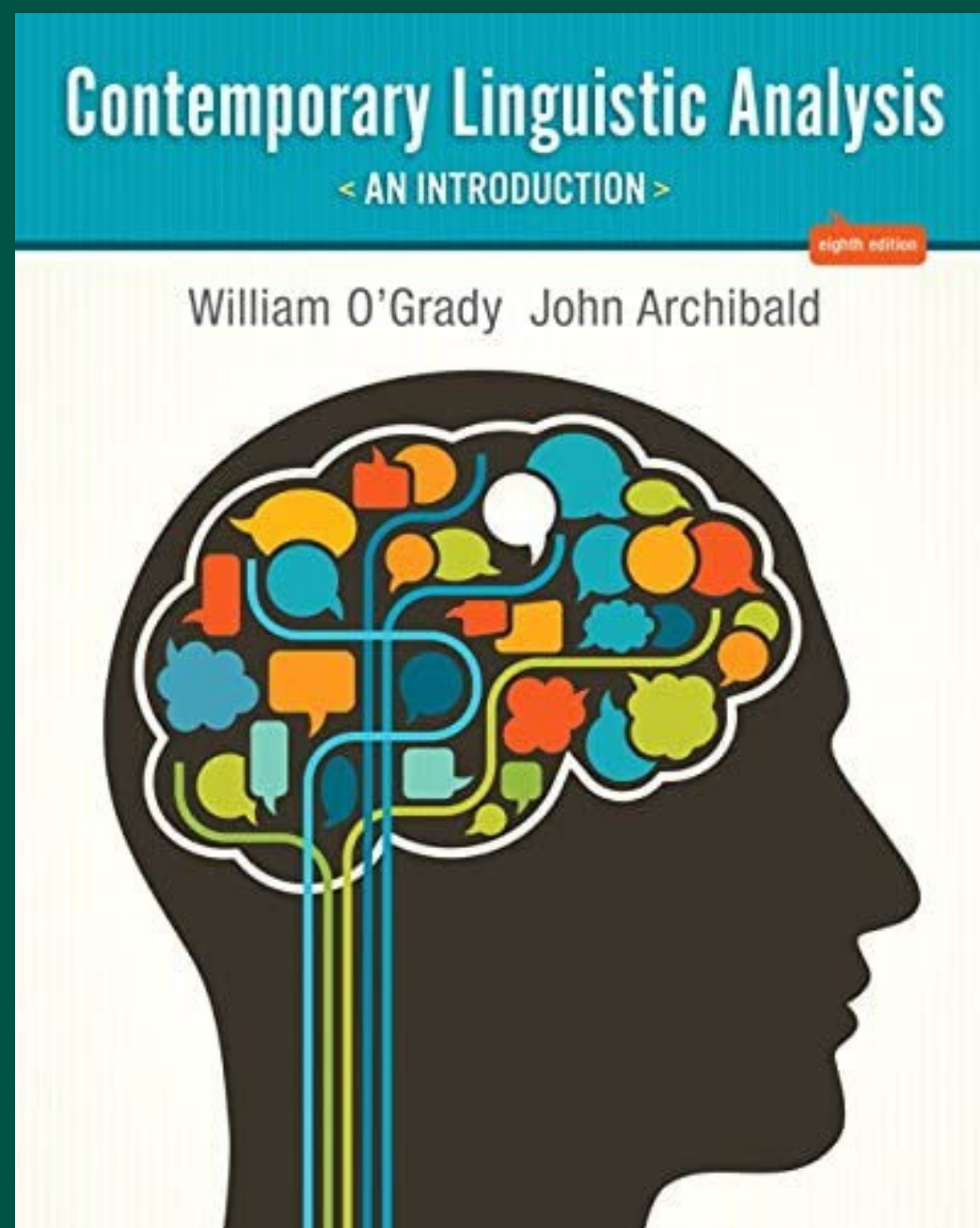



Level

- Boredom
- Do not pay attention

A: Don't forget to eat all of the vegetables!


B: Yes, mum.



Reading List



Any Questions?

Thank you

We can discuss in class or
contact me via email

See You Next Week!

