Topics

- Morpheme and morph
- Allomorph
- Phonological and suppletive allomorphs
- Conditioning of the allomorphy
- Morphological analysis

Morphological processes

- Derivation
  A process that creates new lexemes
- Inflection
  A process that creates different forms of a lexeme (word-forms)

Derivation and Inflection

read

read-s   read-able

read [red]   un-read-able

read-ing   read-ability

read-er

re-read

Derivation

- Change in meaning
- Change in lexical category

nominalization	verbalization	adjectivalization
A → N	N → V	V → A
V → N	A → V	N → A

But, not necessarily…

N → N	V → V	A → A

Derivation

- Change in meaning
- Change in lexical category

nominalization   verbalization   adjectivalization

A → N (stupidity) N → V (enslave)   V → A (doable)

V → N (singer)   A → V (whiten)   N → A (penniless)

But, not necessarily…

N → N (humankind) V → V (undo)   A → A (impossible)

Derivational processes

- Affixation
- Conversion (zero derivation)
- Compounding
- Reduplication
  And other processes

Affixation

- Affixation can be category-determining.
  - An affix determines the lexical category of the complex word that it forms.

    การ-   นัก-   -less   -ize

- Head in syntax
  - is an indispensable element of a phrase
  - determines the syntactic category of the phrase

Affix as head

- An affix contains features which can be percolated to an upper level.

```
              Adj
             /    \
            V      suffix
            |        |
          reli     -able
                    [Adj]
```
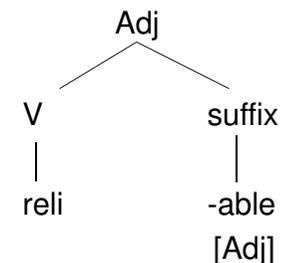
The idea that an affix functions as a head is perhaps counter-intuitive. In "reliable" or "cooker", for example, the meaning of the word seems to come from the stem.

Affix as head

- Is affixation necessarily a category-determining process?

  co-exist   co-author   co-operative

  Prefixation is not category-determining. Prefixes are not heads.

Affix as head

- Right-hand Head Rule (RHR): In morphology, we define the head of a morphologically complex word to be the right-hand member of that word. (Williams 1981)

- Is this rule universal?
- Is "head" similarly defined in syntax?

Derivational process

Input	→	Output
Lexeme X		Lexeme Y
Input	→	Output
Lexeme Y		Lexeme Z

- The output of one derivation serves as the input to the next.

favor	→	favorable
favorable	→	unfavorable

favor → unfavor → unfavorable   Is this possible?

Exercise

Two possible analyses of the complex word uncomfortably are given below. Which one is correct? Give arguments for your position.

a. [un- [[[comfort] –abl] –ly]]
b. [[un- [[comfort] –abl]] –ly]

Derivational process

- A binary system
  Take a form and apply a function to it, then take the output and another function on it.

- Parasynthetic word-formation: conflation of two morphological templates resulting in attachment of a prefix and a suffix

Tree diagrams

- Show the internal structure of complex words
- Draw tree diagrams of the following words
  insightful   Americanize   oversimplification

Tree diagrams

- Words that look similar may have distinct structures.
  pseudonaturalistic
  supernaturalistic

Tree diagrams

- There are forms that are ambiguous.
  undressed
  unzipped
  undoable

- *un with verb – revesative (which can be undone)*
- *un with adjective – not (which cannot be done)*

Meaning of derived words

- A word is compositional if it is defined entirely in terms of its parts.

  ห้องเรียน ตีนแมว นักพนัน

  Japanese: *shima-guni*
  island-country

Compositionality

behead	'to remove someone's head'
befriend	'to make yourself a friend to someone'
besiege	'to lay siege to'
bewitch	'to place under one's power as if by magic'

- Are these forms compositional?

Complex words in the lexicon

- Rule and idiosyncratic properties of individual words
- Inheritance tree
  Each node inherits all the properties of the dominating nodes, and may have additional unique properties, which are also specified on that node.

  doer   teacher   cooker   washer

Complex words in the lexicon

- Information that is provided by dominating nodes is not specified.
- Full specification approach
  The existence of a rule does not imply that the outputs cannot be stored individually.

Conversion
(Zero-derivation)

- Conversion changes a word's lexical category without changing its form.
- From Clark (1995)

  Don't hair me.

  I broomed her.

  I'm supermanning.

  Will you chocolate my milk?

- house   ท้อง

Other derivational processes

- Compounding
- Reduplication

  And other processes