TWO APPROACHES

- SEMANTIC FIELD THEORY
- TRUTH CONDITIONAL SEMANTICS
1. Lexical Field...... componential analysis

------the determination of such features, like [human], [male/female], [adult/child].

2. Kindship

  a. Relations existing from birth... *consanguineal relations*.

  b. Relationships that are established through marriage ... *affinities*... suffix *in-law*.
2. TRUTH CONDITIONAL SEMANTICS

- Hyponymy
- Synonymy
- Antonymy
- Binary and Non-binary Antonyms
a. Hyponymy

- 1a Rover is a collie.
- 1b Rover is a dog.
- 2a There are tulips in the vase.
- 2b There are flowers in the vase.

Terms:
- If ‘1a’ is true, ‘1b’ is true, etc. ... Entailment.
- Hyponyms .... Superordinate/Hyperonyms
- Co-hyponyms
b. Synonymy

- 6a Jack is a seaman.
- 6b Jack is a sailor.

This is our basis for establishing that *seaman* and *sailor* are **synonyms**: when used in predications with the same referring expression, the predications have the same truth value.

- Synonyms can be nouns, as in 6a and 6b, or adjectives, adverbs, or verbs.
16a Alvin is watching television now.
16b Alvin isn’t watching television now.

Two sentences that have the same subject and have predicates which are antonyms are also mutually contradictory.

Terms ‘marked and unmarked (global member).

Binary and non-Binary Antonyms
d. Binary and Non-Binary Antonyms

- Binary Antonyms: dead vs alive, male vs female
- Non-Binary Antonyms: old vs young, wide vs narrow
3. A COMPARISON OF FOUR RELATIONS

- Synonyms
- Hyponym and Superordinate
- Non-Binary Antonyms
- Binary Antonyms
Synonyms

(p) Jack is a seaman.
(q) Jack is a sailor.

Hyponym and Superordinate

(p) Rover is a collie,
(q) Rover is a dog.

(The symbol Û indicates double entailment: the truth of [p] entails the truth of [q], and the truth of [q] entails the truth of [p].)

Non-binary antonyms

(p) Luke is rich.
(q) Luke is poor.

Binary antonyms

(p) The window is open,
(q) The window is closed,
4. CONVERSE ANTONYMS

- Symmetry
- Reciprocity
5. EXPRESSIONS OF QUANTITY

- Quantifiers: all, no, some, many, few