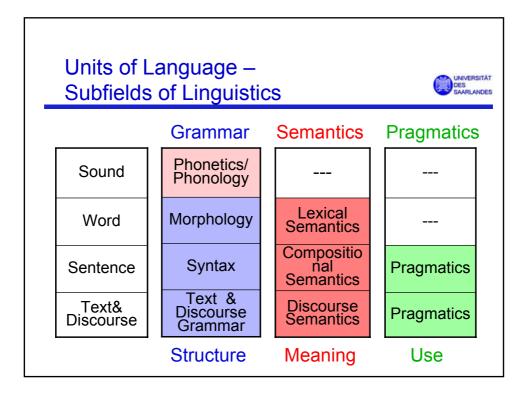


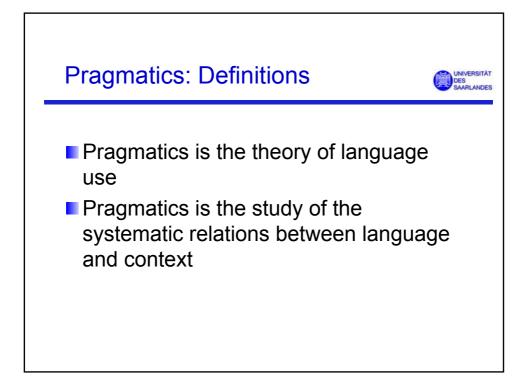
# LST Prep Course: Pragmatics

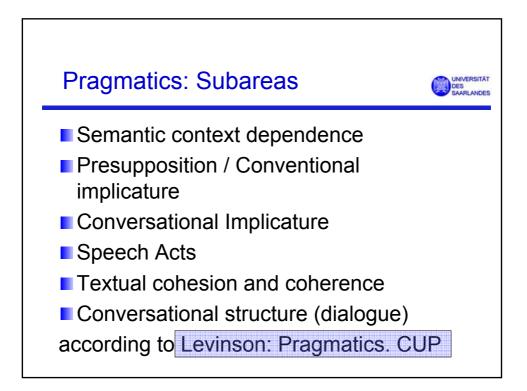
Manfred Pinkal Universität des Saarlandes

11-10-2006

In the Conversational Implicature Part, the slides use material from Ivana Kruijff-Korbayova's course





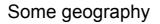


## Some elementary number theory

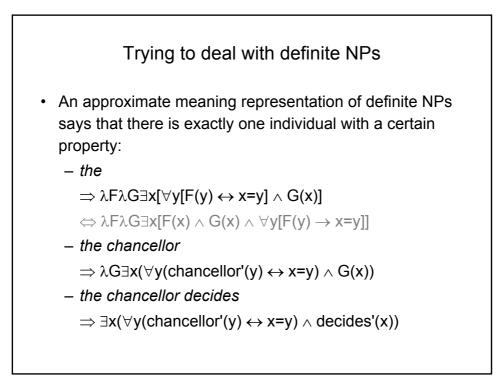
• Theorem:

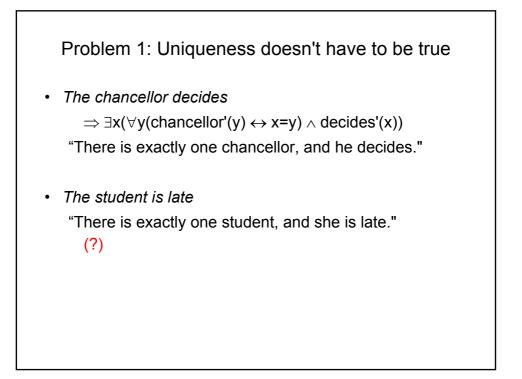
The set of prime numbers is infinite, i.e. for every prime number p, there exists another prime number q > p.

- True or false? The greatest prime number is odd.
- True or false? The greatest prime number is not odd.

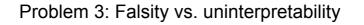


- True or false? The king of Buganda is 42.
- True or false? If Buganda has a king, then he was born in the 20th century.
- Does Buganda have a king?

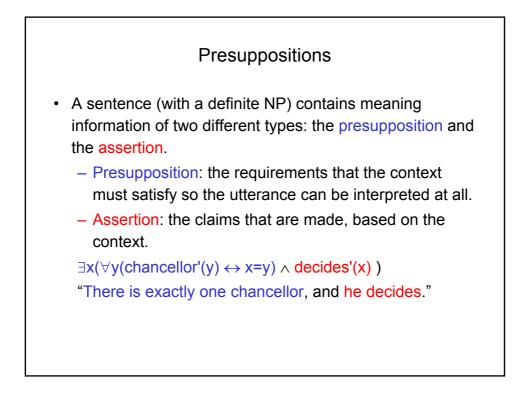


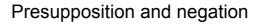


# Problem 2: Interaction with negation The chancellor doesn't decide ⇒ ¬∃x(∀y(chancellor'(y) ↔ x=y) ∧ decides'(x)) "Either there is no chancellor, or more than one, or there is exactly one chancellor and he doesn't decide." A correct representation for the sentence: ∃x(∀y(chancellor'(y) ↔ x=y) ∧ ¬decides'(x)) "There is exactly one chancellor, and he doesn't decide."



- The greatest prime number is odd.
   ⇒ ∃x(∀y(g-p-n'(y) ↔ x=y) ∧ odd'(x))
- The formula is false, because it claims that there is a greatest prime number.
- But the sentence is not true or false: It just doesn't make sense. ("What do you mean -- greatest prime number?")

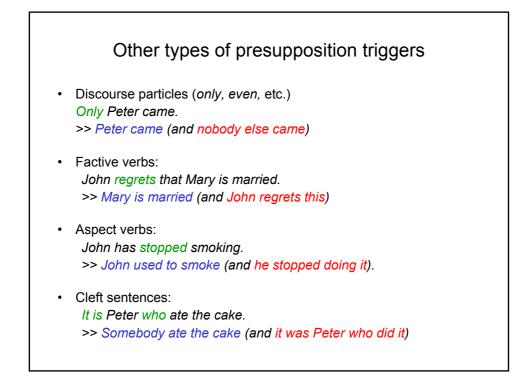


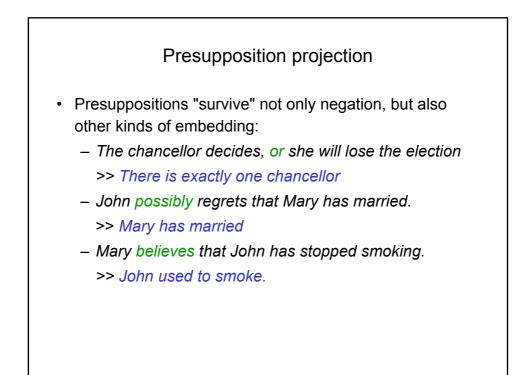


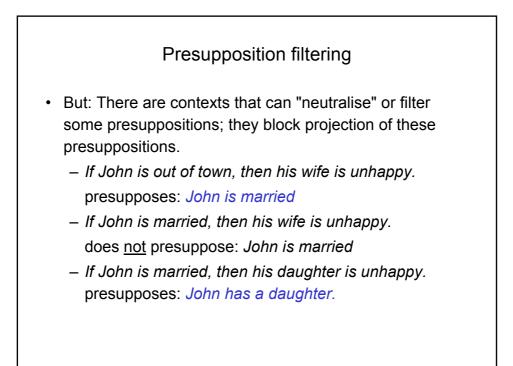
- Negation only applies to the assertion.
- The presupposition isn't negated. It is *projected* upwards, outside of the usual rules of semantic composition.

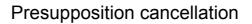
∃x(∀y(chancellor'(y) ↔ x=y) ∧ ¬decides'(x))
"There is exactly one chancellor, and she doesn't decide."

 Such a "survival" of negation is the standard test for presuppositions.

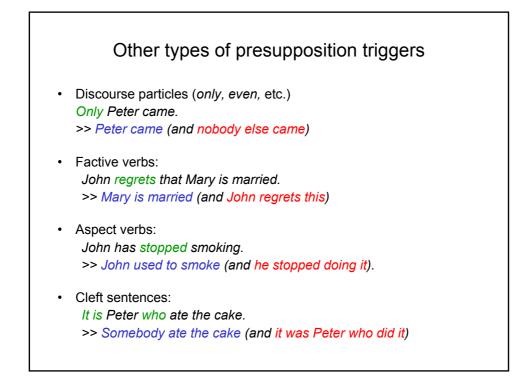


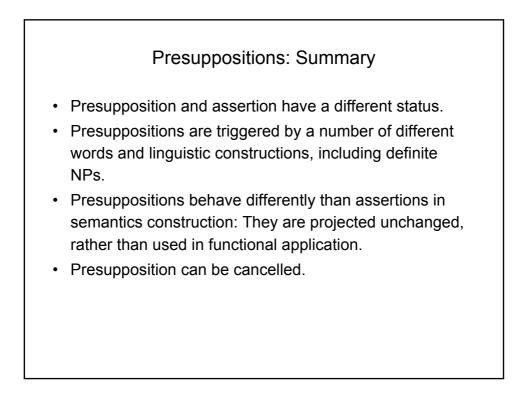


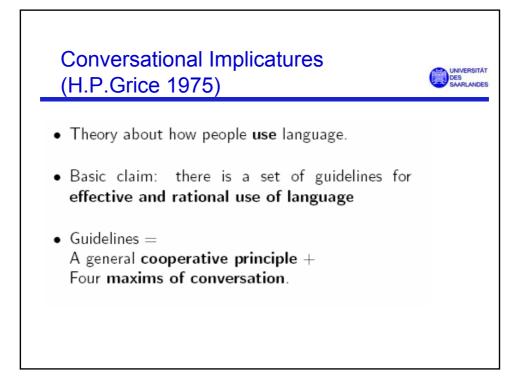


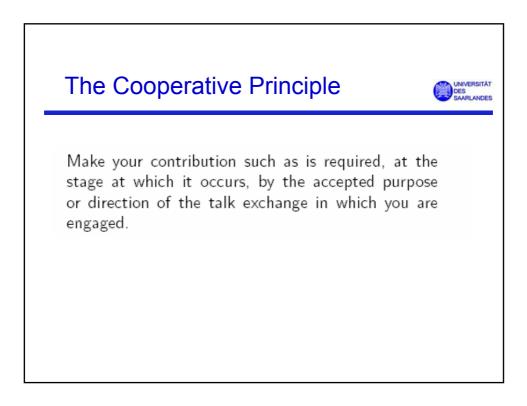


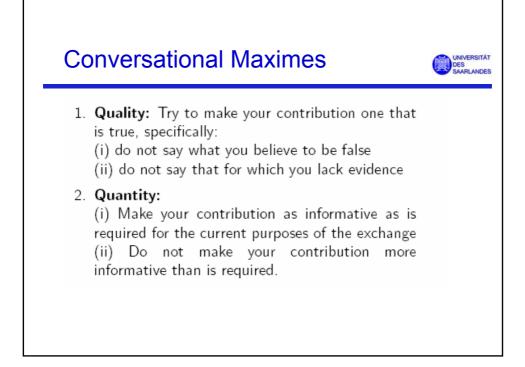
- Presupposition can also be overwritten or *cancelled* by explicitly claiming that they are false:
  - John doesn't regret that Mary is married. This is because Mary isn't married.
  - It is not true that the king of France is bald. France is a republic.

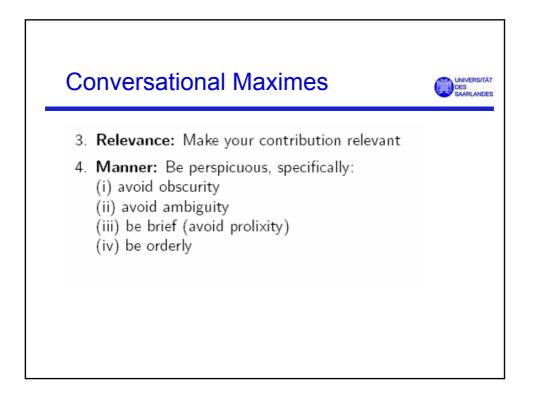












# Conversational Maximes and Conversational Implicatures

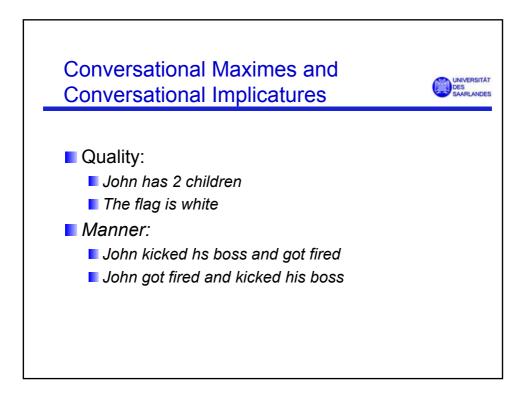


The Maxims generate inferences beyond the semantic content of utterances, which are made on the basis of utterance content and assumptions about cooperative nature of conversation.

### Relevance:

A: Where's Bill? B: There's a yellow VW outside Sue's house.

A: I am out of petrol.B: There's a garage just around the corner.



# Flouted Maximes and Conversational Implicatures



Irony: What a great weather!

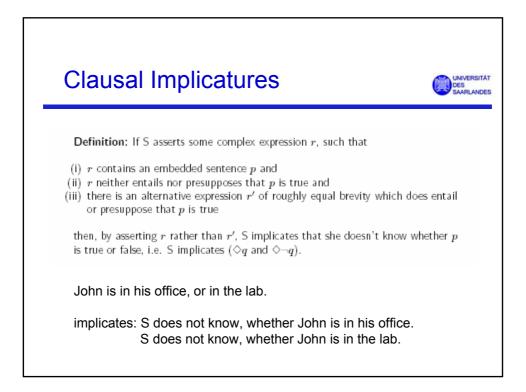
Metaphor: This lady is made of iron.

# Scalar Implicatures (93) Some of the boys went to the party. SQGCI: Not all of the boys went to the party. Intuitive explanation (1) All of the boys went to the party |= (2) Some of the boys went to the party Since a stronger form is available, therefore by Quantity Maxim: (2) implicates ¬(1)

# Scales: Examples



< all, most, many, some, few >
< none, not all >
< n, ..., 5, 4, 3, 2, 1 >
< and, or >
< excellent, good >
< always, often, sometimes >
< must, should, may >
< succeed in Ving, try to V, want to V >
< adore, love, like >



Conversational Implicature and Presupposition



Both CIs and presuppositions can be cancelled (are defeasible).

Presuppositions are associated with certain kinds of expressions.

Conversational implicatures follow from general properties of utterances.