

# Logic

12 May 2021

## Week 3

This week the semantic part of first order logic will be covered. First Order Logic is strengthening of our language. This implies more characters in the language and more axioms. First Order Logic is significantly different from propositional logic and the definition of semantic consequence is very different from that in propositional logic.

### Assignment

1. Read Reading4.pdf
2. Read thru all examples and prove all propositions and exercises.
3. As an exercise write down the proof for proposition 0.5 given at the very last page.