

# Logic

21 May 2021

## Week 3

This week the syntactic part of Logic will be covered and then finally the link Soundness and Completeness between the syntactic and the semantic notion. Then, First Order theory will be covered. The notion of a complete First Order theory will also be discussed. Note, complete theory and completeness are two different things. With this the discussion on logic will end and Computation part of the project will begin.

## Assignment

1. Read Reading5.pdf
2. Read about Rings and write the axioms of a Ring structure