About the Course

Languages + Truth in Structures + Proof (semantics) 7 (syntax) how are these defined? there are choices (think about your project); we use first-order (predicate) logic

But above all I wish to designate the following as the most important among the numerous questions which can be asked with regard to the axioms [of arithmetic]:To prove that they are not contradictory, that is, that a finite number of logical steps based upon them can never lead to contradictory results. (Quoted in [Feferman 98])