

_____ **Initial Idea** (submitted on time) (5)

_____ **Proposal** (already graded) (10)

_____ **Applicability to Class** (10)

Uses techniques like formal syntax, type systems, formal judgments, operational semantics, etc.

_____ **Scope** (15)

Must do at least one larger proof; if your proposal was approved, the proposed scope was OK

_____ **Technical Soundness** (35)

_____ **Appropriate Model**

*Model (syntax, definitions, representations) reasonable for what is being modeled.
Assumptions/limitations are described appropriately.*

_____ **Judgments**

All necessary judgments are defined, all necessary rules present.

_____ **Proofs**

*Theorems/lemmas are relevant to the model
Proofs are correct and appropriately detailed*

_____ **Writing of Final Paper** (10)

_____ **Detail**

All necessary definitions, rules, etc., necessary to understand the project are present

_____ **Clarity**

*Any non-standard definitions, judgments, formulas, etc., are described in plain English
Examples are given to help the reader understand how to use the definitions, rules, etc.*

_____ **Class Presentation** (15)

_____ **Overview/motivation**

Goals of the project and what is being modeled are clearly and succinctly described

_____ **Technical contribution**

*Definitions and results are described at a high level so other students can get an idea
in a few minutes of what you are doing and why*

_____ **Questions/discussion**

*Handle questions, if any, and/or start a discussion about what is left to be done and how
the project might be continued/extended*