

### **What's on the Final Exam?**

DEFINITIONS and understanding of formal validity, validity and their application.

DEFINITIONS of wffs, understanding of quantifier rules and their application.

SYMBOLIZING statements and arguments in Statement Logic (SL) and Predicate Logic (PL), and statements in Relational Logic (RL), but not including Identity.

PROOFS in PL, RL, but not SL.

Knowledge of RULES of INFERENCE and IDENTIFYING ERRORS in applying them.

Determining validity/invalidity in Statement Logic by TRUTH TREES.

Using CARROLL DIAGRAMS (3, 4 predicates) to determine validity and invalidity of PL arguments. How to deal with PENEVALID arguments by diagrams and proofs.

TRUTH TREES for PL and RL: ch. 23 (but not §23.2.2).

BONUS QUESTION on Other Logics: chapter 24, §1-3.

### **What's *not* on the Final:**

DIAGRAMMING NATURAL ARGUMENTS: chapters 1.3, 2.3, 5.3, 7.3, 9.2, 10.2.

PROOFS in SL.

TRUTH TABLES: ch 13.

Tautologies etc. through Truth trees, & soundness and completeness: chapter 14.2.

LOGIC with IDENTITY: chapter 21.

Prenex Forms, ch. 22.1.2

Truth trees for IDENTITY: ch.23.2.2.