

Schedule

February 22, 2011

This schedule is subject to revision. Check the course website (<http://johnmacfarlane.net/142>) for current reading and writing assignments.

Introduction

Jan 18 What is philosophical logic? Review of propositional logic. Handout with exercises (to be handed in in section next week, but not graded).

Jan 20 Review of predicate logic. Handout with exercises (to be handed in in section next week, but not graded).

Unit 1—Quantification

Jan 25 Identity. Numerical quantifiers. Handout with exercises.

Jan 27 Generalized quantifiers. Definite descriptions. Handout with exercises.

Feb 1 Generalized quantifiers. Quinean corner quotes. Handout with exercises.

Feb 3 Substitutional quantification.

Reading: Linsky, “Two Concepts of Quantification,” *ÅġÅġII*, IV, V. Handout with exercises.

Feb 8 Substitutional quantification, continued. Plural quantification introduced.

Feb 10 Plural quantification. *Reading:* Boolos, “To Be is to Be a Value of a Variable (or to Be Some Values of Some Variables).” Exercises.

Unit 2—Modality

Feb 15 Propositional modal logic: semantics and natural deductions. Handout with exercises. **Unit 1 problems due.**

Feb 17 Quine’s objections to quantified modal logic. *Reading:* Quine, “Reference and Modality.” *Optional Reading:* Quine, “Three Grades of Modal Involvement.”

Feb 22 Smullyan’s response to Quine. The slingshot argument. *Optional Reading:* Smullyan, “Modality and Description.” Handout with exercises.

Feb 24 Kripke’s response to Quine. *Reading:* Kripke, *Naming and Necessity*, pp. 34–63 (on apriority vs. necessity), pp. 97–105 (on the necessity of identity).

Unit 3—Logical Consequence

Mar 1 Informal characterizations of logical consequence.

Mar 3 Tarski's definition of logical consequence. *Reading:* Tarski, "On the Concept of Logical Consequence." **Unit 2 problems due.**

Mar 8 Inference rules and the meanings of the logical constants. *Reading:* Prawitz, "Logical Consequence from a Constructive Point of View," through p. 678. Prior, "The Runabout Inference Ticket." Belnap, "Tonk, Plonk, and Plink."

Mar 10 Prawitz's proof-theoretic account of consequence. Intuitionistic logic. *Reading:* Prawitz, "Logical Consequence from a Constructive Point of View" (entire).

Mar 15 Motivations for relevance logic. The Lewis argument. *Reading:* Meyer, "Entailment."

Mar 17 Relevance logic. *Reading:* Burgess, "No Requirement of Relevance." Recommended: Anderson and Belnap, *Entailment*, vol. 1, 15, 16.1.

Mar 29 Logic and reasoning. *Reading:* Harman, *Change in View*, Chapters 1–2.

Mar 31 Relevance logic and inconsistent data. *Reading:* Lewis, "Logic for Equivocators." Recommended: Anderson, Belnap, and Dunn, *Entailment*, vol. 2, 81–81.2.3.

Unit 4—Conditionals

Apr 5 Subjunctive vs. indicative conditionals. Defense of the material conditional. *Reading:* Thomson, "In Defense of 'if...then'". **Unit 3 problems due.**

Apr 7 Do conditionals have truth conditions? *Reading:* Edgington, "Do Conditionals Have Truth-Conditions?"

Apr 12 A modal account of the indicative conditional. *Reading:* Stalnaker, "Indicative Conditionals."

Apr 14 A counterexample to Modus Ponens? *Reading:* McGee, "A Counterexample to Modus Ponens."

Unit 5—Vagueness and the Sorites Paradox

Apr 21 The sorites paradox. Multivalued logics. *Reading:* Sainsbury, *Paradoxes*, 2.1–2.4. Williamson, *Vagueness*, 4.1–4.6.

Apr 23 Fuzzy logic. *Reading:* Williamson, *Vagueness*, 4.7–4.14.

Apr 26 Supervaluationism. *Reading:* Williamson, *Vagueness*, Chapter 5.

Apr 28 Evans on vagueness in the world. *Reading:* Evans, "Can There Be Vague Objects?"

Final

May 6 Paper due.

May 12 Final exam. 3–6 PM, location TBA