

13 SEP    **Mathematical Ontology: The Generation of the Discussion**

10:00-11:15 [Organizational & Introductory: No Reading]  
 11:30-12:45 Quine1948 "On What There Is"  
 see also Church1959 "Ontological Commitment"  
 and see JB2015a "What Are Mathematical Objects & Who Cares?"

20 SEP    **Quine on Nominalism**

10:00-11:15 Goodman&Quine1947 "Steps toward a Constructive Nominalism"  
 see also Quine1946 "Nominalism"  
 11:30-12:45 Colyvan1998&2019 "Indispensability Arguments in the Philosophy of Mathematics"  
 see also Putnam2006 "Indispensability Arguments in the Philosophy of Mathematics"

27 SEP    **Quine vs Carnap**

10:00-11:15 Carnap1950 "Empiricism, Semantics, & Ontology"  
 see also Eklund2015Thomasson review of Thomasson *Ontology Made Easy*  
 11:30-12:45 Quine1951 "On Carnap's Views on Ontology"  
 and see JB2004a "Mathematics & *Bleak House*"  
 JB2014a "Quine's Philosophy of Logic & Mathematics"

04 OCT    **Epistemological Arguments for Nominalism**

10:00-11:15 Benacerraf1973 "Mathematical Truth"  
 see also Jubien1977 "Ontology & Mathematical Truth"  
 Field1988 "Realism, Mathematics, & Modality"  
 Clarke-Doane2016 "What Is the Benacerraf Problem?"  
 11:30-12:45 Tait1986 "Truth & Proof"  
 and see JB1989 "Epistemology & Nominalism"

11 OCT    **Geometric Nominalism**

10:00-11:15 Field1982 "Realism & Anti-Realism about Mathematics"  
 see also Resnik1985 "How Nominalist Is Hartry Field's Nominalism?"  
 11:30-12:45 Urquhart 1989 "The Logic of Physical Theory"  
 see also Shapiro1983 "Conservativeness & Incompleteness"  
 and see JB1991 "Synthetic Physics & Nominalist Realism"  
 JB1983 "Why I Am Not a Nominalist"

18 OCT        **Structuralism**  
10:00-11:15 Benacerraf1965  
11:30-12:45 Pettigrew2008  
see also     MacBride2018Linnebo  
and see     JB2009

"What Numbers Could Not Be"  
"Platonism & Aristotelianism about Mathematics"  
review of Linnebo *Philosophy of Mathematics*  
"Modest Structuralism"

25 OCT        **Modal Nominalism**  
10:00-11:15 Chihara1984  
see also     McLarty2004Chihara  
and see     JB2005Chihara  
11:30-12:45 Hellman2001  
see also     Putnam1967  
and see     JB2019a

"A Simple Type Theory without Platonic Domains"  
review of Chihara *A Structural Account of Mathematics*  
review of Chihara *A Structural Account of Mathematics*  
"Three Varieties of Mathematical Structuralism"  
"Mathematics without Foundations"  
"Putnam on Foundations: Models, Modals, Muddles"

#### FALL RECESS

08 NOV        **Neo-Fregeanism**  
10:00-11:15 Boolos1998  
  
and see     JB1984Wright  
11:30-12:45 Wright1989  
see also     Eklund2007  
               Dummett1957  
               Woods2014  
and see     JB2004b

*Logic, Logic, & Logic:*  
(1997a)     143-154     "Gottlob Frege & *The Foundations of Arithmetic*"  
review of Wright *Frege's Conception of Numbers as Objects*  
"Field & Fregean Platonism"  
"Bad Company & Neo-Fregean Philosophy"  
"Nominalism"  
"Logical Indefinites"  
"Quine, Analyticity, & Philosophy of Mathematics"

15 NOV        **Set Theory**  
10:00-11:15 Goedel1947  
see also     Boolos *ibid*  
and see     JB2014b  
11:30-10:45 Maddy2005  
see also     Maddy2017  
               Hamkins2011  
and see     JB2004c

"What Is Cantor's Continuum Problem?"  
(1997b)     120-132     "Must We Believe in Set Theory?"  
"Intuitions of Three Kinds in Gödel's Views on the Continuum"  
"Mathematical Existence"  
"Set-Theoretic Foundations"  
"The Set-Theoretic Multiverse"  
"Maddy on Mathematical Existence"

22 NOV      **Plural Logic, Mereology, Megethology**  
 10:00-11:15 Boolos *ibid*                      (1984)              54-72              "To Be Is to Be ... Some Values of Some Variables"  
 see also      Boolos *ibid*                      (1985)              73-87              "Nominalist Platonism"  
                     Varzi2003-2016                      "Mereology"  
 11:30-12:45 Lewis1993                      "Mathematics Is Megethology"  
 and see      JB2015b                      "Lewis on Set Theory"

THANKSGIVING RECESS

06 DEC      **Natural Language Ontology**  
 10:00-11:15 Moltmann2011                      "Reference to Numbers in Natural Language"  
 see also      Hofweber2005                      "Number Determiners, Numbers, & Arithmetic"  
 and see      JB2016                      "Reconciling Anti-Platonism & Anti-Nominalism in the Philosophy of Mathematics"  
 11:30-12:45 Yablo2001                      "Go Figure"  
 but see      Rosen&JB2005                      "Nominalism Reconsidered"  
 and see      JB2019b                      "Fictionalism as a Phase"

13 DEC      **Mathematical Ontology: The Degeneration of the Discussion**  
 10:00-11:15 Melia2005Azzouni                      review of Azzouni *Deflating Existential Consequence: A Case for Nominalism*  
 but see      JB2004Azzouni                      review of Azzouni *Deflating Existential Consequence: A Case for Nominalism*  
 11:30-12:45 Lewis1990                      "Noneism or Allism?"  
 and see      JB2005                      "Being Explained Away"