Course Bibliography

Note: For many of the historical sources, I have provided just one among several comparably good translations or editions, usually an inexpensive one.

Readers that cover several topics:


I. Introduction
For further reading:

II.A: Pythagoras and the Pythagoreans
On the syllabus:
Kline, “The Creation of Classical Greek Mathematics” and Kline, “The Greek Rationalization of Nature” are from Chapters 2 and 7, pp 24-37 and 145-154, of:

For further reading:

II.B: Plato’s Platonism
On the syllabus:

For further reading:
II.C: Aristotle

On the syllabus:


For further reading:


II.D: Modern Rationalism

On the syllabus:

Descartes, “Third Meditation” and Descartes, “Fifth Meditation” are AT34-36 and AT63-71, and may be found in: Cottingham, John, Robert Stoothoff, and Dugald Murdoch, eds. *The Philosophical Writings of Descartes*. Cambridge: Cambridge University Press, 1984.

For further reading:


II.E: Modern Epiricism

On the syllabus:


For further reading:

Ewald contains Berkeley’s *Analyst*, in which Berkeley attacks the calculus and its infinitessimals, and selections from *A Treatise on Fluxions*, a reply to Berkeley from Colin MacLaurin.
II.F: The Synthetic A Priori
On the syllabus:
For further reading:

II.G: Radical Empiricism
On the syllabus:
For further reading:

II.H: Cantor’s Paradise
On the syllabus:
Tiles, “Cantor’s Transfinite Paradise” and Tiles, “Numbering the Continuum” are Chapters 4 and 5, respectively, in: Tiles, Mary. *The Philosophy of Set Theory: An Historical Introduction to Cantor’s Paradise*. Mineola: Dover, 2004
For further reading:

III.A: Logicism
On the syllabus:
The letters from Frege and Russell are in van Heijenoort.
For further reading:

III.B: Formalism and Incompleteness
On the syllabus:

For further reading:

III.C: Intuitionism
On the syllabus:

For further reading:

III.D: Carnap
On the syllabus:

For further reading:
Quine, “Truth by Convention.” In Benacerraf and Putnam.

III.E: Wittgenstein’s Conventionalism
Part II: §§16, 25-27, 39, 66-67, 82, 85, 87;
Part IV, §§56-57;
Part V: §§9, 10, 12, 14, 16;
Part VI: §§7, 8, 16, 21, 24, 30, 38-39, 41, 46-49;
Knowledge, Truth, and Mathematics, Course Bibliography, Spring 2008, Prof. Marcus, page 5

For further reading:

III.F: Gödel Platonism
On the syllabus:

IV.A: The Problem
On the syllabus:

For further reading:

IV.B: Quineans
On the syllabus:

My two papers are unpublished, and available in the handouts section of the website.

For further reading:

IV.C: Structuralism
On the syllabus:

For further reading:


IV.D: Fictionalism
On the syllabus:

For further reading:

IV.E: Contemporary Platonism
On the syllabus:


For further reading:

IV.F: Modalism
On the syllabus:


For further reading:

IV.G: Computer Proofs
On the syllabus:

V: Epitaph
On the syllabus:
Putnam, “Philosophy of Mathematics: Why Nothing Works” is in: