

Course Bibliography

Required text:

Marcus, Russell. *What Follows: A Logic and Philosophy Text*. Manuscript in preparation.

History and philosophy of logic texts and readers:

Fisher, Jennifer. *On the Philosophy of Logic*, Wadsworth, 2008. An introductory text. See Fisher's "Further Readings" section for more suggestions on just about all of the topics below.

Gabbay, Dov, Dale Jacquette, Paul Thagard, and John Woods, eds. *Philosophy of Logic*. Elsevier, 2006. A wide range of advanced papers.

Gabbay, Dov and John Woods. *Handbook of the History of Logic*. Elsevier, 2004-2009. Nine amazing volumes on the history of logic, from ancient to contemporary times.

Haack, Susan. *Philosophy of Logics*. Cambridge: Cambridge University Press, 1978.

Haack, Susan. *Deviant Logic, Fuzzy Logic: Beyond the Formalism*. University of Chicago, 1996. This volume combines Haack's earlier book on deviant logic with some newer papers.

Hughes, R.I.G. *A Philosophical Companion to First-Order Logic*. Hackett, 1992. A selection of very good, advanced papers.

Jacquette, Dale. *A Companion to Philosophical Logic*. Blackwell, 2002. New papers in the philosophy of logic.

Jacquette, Dale. *Philosophy of Logic: An Anthology*. Blackwell, 2002. Includes many of the most important papers in the philosophy of logic over the last 100 years.

Quine, W.V. *Philosophy of Logic*, 2nd edition. Harvard University Press, 1986

Read, Stephen. *Thinking about Logic*. Oxford, 1995. A wide-ranging text on the philosophy of logic.

Shapiro, Stewart, editor. *The Oxford Handbook of Philosophy of Mathematics and Logic*. Oxford, 2007. A survey of the contemporary scene, more focused on the philosophy of mathematics.

Advanced logic books, mainly technical:

Hunter, Geoffrey. *Metalogic: An Introduction to the Metatheory of Standard First-Order Logic*. University of California Press, 1973. An excellent introduction to advanced logic, useful especially for the adequacy topic.

Mendelson, Elliott. *Introduction to Mathematical Logic*. Chapman & Hall, 1997. The classic text in advanced mathematical logic.

Priest, Graham. *An Introduction to Non-Classical Logic: From Ifs to Is*, 2nd edition. Cambridge University Press, 2008. An intermediate textbook covering the state of the art in non-classical work.

Quine, W.V. *Methods of Logic*, 4th edition. Harvard University Press, 1982. A classic introductory text, though covering many topics we will not discuss in the course.

Smith, Peter. *An Introduction to Gödel's Theorems*. Cambridge University Press, 2007. A technically sophisticated but readable introduction to incompleteness and undecidability.

Van Heijenoort, Jean. *From Frege to Gödel: A Source Book in Mathematical Logic, 1879-1931*. Harvard University Press, 1967. The original papers from the logic renaissance.

Below are readings for specific topics which we will cover on Philosophy Fridays. Some listings refer to the collections above. Some readings are available on the course website.

Philosophy Friday #1: Conditionals

- Bennett, Jonathan. *A Philosophical Guide to Conditionals*. Oxford University Press, 2003.
- Carroll, Lewis. "A Logical Paradox." *Mind* 3:436-8, 1894.
- Edgington, Dorothy. "Do Conditionals Have Truth Conditions?" In Hughes.
- Fisher, Chapter 8.
- Goodman, Nelson. "The Problem of Counterfactual Conditionals." In *Fact Fiction and Forecast*, Harvard University Press, 1983.
- Grice, H.P. "Logic and Conversation." Reprinted in Jackson 1991.
- Harper, William, Robert Stalnaker, and Glenn Pearce. *Ifs*. Reidel, 1981. Lots of advanced papers, some quite technical.
- Jackson, Frank. *Conditionals*. Oxford University Press, 1991.
- Lewis, David. *Counterfactuals*. Blackwell, 1973.
- Lewis, C.I., and Langford, C.H. *Symbolic Logic*. New York: Century Company, 1932. Reprinted by Dover Publications (New York), 1959.
- Priest, Chapters 1, 4, and 5.
- Read, Chapter 3.
- Weiner, Joan. "Counterfactual Conundrum." *Nous* 13.4: 499-509, 1979.

Philosophy Friday #2: Religion and Argumentation

- Audi, Robert, and William J. Wainwright, editors. *Rationality, Religious Belief, and Moral Commitment: New Essays in the Philosophy of Religion*. Ithaca: Cornell University Press, 1986.
- Cottingham, John, Robert Stoothoff, and Dugald Murdoch, editors. *The Philosophical Writings of Descartes*, Vol. 2. Cambridge: Cambridge University Press, 1984.
- Harrelson, Kenneth. *The Ontological Argument from Descartes to Hegel*. Humanity Books, 2009.
- Kant, Immanuel. *Critique of Pure Reason*, trans. Normal Kemp Smith. New York: St. Martin's Press, 1965.
- Leibniz, *Discourse on Metaphysics, Monadology, and Theodicy*.
- Mackie, John L. "Evil and Omnipotence." *Mind* 64 (1955), 200-12.
- Tooley, Michael. "The Problem of Evil." In *The Stanford Encyclopedia of Philosophy*, edited by Edward N. Zalta, Summer 2015. <http://plato.stanford.edu/entries/evil/>.
- Van Inwagen, Peter. *The Problem of Evil*. Oxford: Oxford University Press, 2006.
- Voltaire. *Candide*.

Philosophy Friday #3: Modal Logics

- Fitting, Melvin, and Richard Mendelsohn. *First Order Modal Logic*. Dordrecht: Kluwer, 1998.
- Garson, James. *Modal Logic for Philosophers*, second edition. Cambridge: Cambridge University Press, 2013.
- Girle, Rod. *Modal Logics and Philosophy*, second edition. Montreal and Kingston: McGill-Queen's University Press, 2009.
- Lewis, David. *On the Plurality of Worlds*. Oxford: Blackwell, 1986.
- Kripke, Saul. *Naming and Necessity*. Cambridge: Harvard University Press, 1980.
- Marcus, Ruth. *Modalities*. New York: Oxford University Press, 1993.
- Quine, W. V. "Reference and Modality." In *From a Logical Point of View*, 2nd edition

(Cambridge: Harvard University Press, 1980), 139–59.

Quine, W. V. “Three Grades of Modal Involvement.” In *The Ways of Paradox and Other Essays*, revised and enlarged edition (Cambridge: Harvard University Press, 1976), 158–76.

Philosophy Friday #4: Logic and the Philosophy of Science

Fetzer, James. “Carl Hempel.” In *The Stanford Encyclopedia of Philosophy*, edited by Edward N. Zalta, Fall 2015. <http://plato.stanford.edu/entries/hempel/>.

Friedman, Michael. 1974. “Explanation and Scientific Understanding.” *The Journal of Philosophy* 71 (1): 5–19.

Goodman, Nelson. *Fact, Fiction, and Forecast*. Cambridge: Harvard University Press, 1955.

Hempel, Carl Gustav. *Aspects of Scientific Explanation and other Essays in the Philosophy of Science*. New York, NY: Free Press, 1965.

Hempel, Carl Gustav. *Philosophy of Natural Science*. Prentice Hall 1966.

Hempel, Carl Gustav. “Studies in the Logic of Confirmation.” *Mind* 54 (1945), 1-26, 97-121.

Hempel, Carl Gustav, and Peter Oppenheim. “Studies in the Logic of Explanation.” *Philosophy of Science* 15 (1948), 135–175.

Huber, Franz. “Confirmation and Induction.” In *The Internet Encyclopedia of Philosophy*, edited by James Fieser and Bradley Dowden. <http://www.iep.utm.edu/conf-ind/>.

Hume, David. *An Enquiry Concerning Human Understanding*.

Kitcher, Philip. “Explanatory Unification.” *Philosophy of Science* 48, no. 4 (1981), 507–31.

Losee, John. *A Historical Introduction to the Philosophy of Science*, 4th edition. Oxford: Oxford University Press, 2001.

Papineau, David. “Methodology: The Elements of the Philosophy of Science.” In *Philosophy 1: A Guide Through the Subject*, ed. A.C. Grayling, Oxford, 1998.

Quine, W. V., and J. S. Ullian. *The Web of Belief*, 2nd ed. New York: McGraw Hill, 1978.

Railton, Peter. “A Deductive-Nomological Model of Probabilistic Explanation.” *Philosophy of Science* 45 (1978), 206-226.

Salmon, Wesley. *Scientific Explanation and the Causal Structure of the World*. Princeton: Princeton University Press, 1984.

Salmon, Wesley. “Scientific Explanation: Three Basic Conceptions.” *Proceedings of the Biennial Meeting of the Philosophy of Science Association* 1984 (2): 293–305.

Toulmin, Stephen. *Foresight and Understanding: An Enquiry into the Aims of Science*. New York: Harper and Row, 1961.

Van Fraassen, Bas. “The Pragmatics of Explanation.” *American Philosophical Quarterly* 14 (1977), 143–50.

Philosophy Friday #5: Infinity

Dauben, Joseph Warren. *Georg Cantor: His Mathematics and Philosophy of the Infinite*. Princeton: Princeton University Press, 1979.

Galilei, Galileo. *Dialogues Concerning Two New Sciences*. Translated by Henry Crew and Alfonso de Salvio. Macmillan, (1638) 1914.

Kneale, William and Martha Kneale. *The Development of Logic*. Oxford: Clarendon Press, 1962.

Moore, A.W. *The Infinite*. 2nd ed. London: Routledge, 1990.

Suri, Gaurav, and Hartosh Singh Bal. *A Certain Ambiguity*. Princeton and Oxford: Princeton University Press, 2007.

Tiles, Mary. *The Philosophy of Set Theory: An Historical Introduction to Cantor’s Paradise*. Mineola: Dover, 2004.

Yarnelle, John. *An Introduction to Transfinite Mathematics*. Boston: D. C. Heath and Co., 1964.

Philosophy Friday #6: Truth and Liars

- Aristotle. *Metaphysics*. In *The Complete Works of Aristotle, vol.2*, Jonathan Barnes, ed. Princeton University Press, 1984.
- Beall, J. C. *Liars and Heaps: New Essays on Paradox*. Oxford: Clarendon Press, 2003.
- Field, Hartry. *Saving Truth from Paradox*. Oxford, 2008.
- Field, Hartry. "Tarski's Theory of Truth." In his *Truth and the Absence of Fact*, Oxford, 2001. Fisher, Chapter 3.
- Haack, Susan. *Philosophy of Logics*. Chapters 7 and 8.
- Horwich, Paul. *Truth*. Oxford University Press, 1999.
- Kirkham, Richard. *Theories of Truth: A Critical Introduction*. The MIT Press, 1995.
- Kripke, Saul. "Outline of a Theory of Truth." In Jacquette, *Philosophy of Logic*.
- Künne, Wolfgang. *Conceptions of Truth*. Oxford: The Clarendon Press, 2003.
- Lynch, Michael. *The Nature of Truth: Classic and Contemporary Readings*. The MIT Press, 2005.
- Lynch, Michael. *True to Life: Why Truth Matters*. The MIT Press, 2005.
- Priest, Graham. *In Contradiction*. Dordrecht: M. Nijhoff, 1987.
- Priest, Graham. *Beyond the Limits of Thought*. Oxford: Oxford University Press, 2002.
- Priest, Graham, JC Beall and Bradley Armour-Garb. *The Law of Non-Contradiction: New Philosophical Essays*. Oxford: Clarendon Press, 2004. See especially the introduction, and Essays 1, 7, and 12, among others.
- Quine, Willard van Orman. "The Ways of Paradox." Harvard University Press, 1976.
- Tarski, Alfred. "The Semantic Conception of Truth and the Foundations of Semantics." *Philosophy and Phenomenological Research* 4.3: March 1944, pp 341-376.

Philosophy Friday #7: Quantification and Ontological Commitment

- Azzouni, Jody. "On 'On What There Is'." *Pacific Philosophical Quarterly* 79: 1-18, 1998.
- Haack, Susan. *Philosophy of Logics*. Cambridge: Cambridge University Press, 1978.
- Lejewski, Czeslaw. "Logic and Existence." In Jacquette, *Philosophy of Logic*.
- Quine, W.V. "Designation and Existence." In *Readings in Philosophical Analysis*, edited by Herbert Feigl and Wilfrid Sellars, 44–51. New York: Appleton-Century-Crofts, 1940.
- Quine, W.V. "Existence and Quantification." In *Ontological Relativity and Other Essays*, Columbia University Press, 1969.
- Quine, W.V. "Logic and the Reification of Universals." In his *From a Logical Point of View*. Harvard University Press, 1980.
- Quine, W.V. "On What There Is." In his *From a Logical Point of View*. Harvard University Press, 1980.
- Quine, W.V. "Quantifiers and Propositional Attitudes." In Jacquette, *Philosophy of Logic*.