

臺大哲學系博士班西方哲學組資格考試
邏輯與科學哲學書單

Part One: Logic

Section I. Mathematical Logic

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4. Hodges, Wilfrid. *A Shorter Model Theory*. Cambridge: Cambridge University Press, 1997.
5. Smullyan, Raymond. *Gödel's Incompleteness Theorems*. Oxford: Oxford University Press, 2013.

Section II. Philosophical/Non-Classical Logic

1. Van Benthem, Johan. *Modal Logic for Open Minds*. Stanford, California: CSLI, 2010.
2. Hughes, G. and Cresswell, M. *A New Introduction to Modal Logic*. 2nd edition. London: Routledge, 1968.
3. Restall, G. *An Introduction to Substructural Logics*. London: Routledge, 2000.
4. Frege, Gottlob. *The Foundations of Arithmetic: A logico-mathematical Inquiry into the Concept of Number*. Tr. Austin, J. L. 2nd edition. Oxford: Blackwell, 1980.
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Part II: Philosophy of Science

1. Hempel, C.G. *Aspects of Scientific Explanation*. Chapters 1, 4, 5, 12. New York: Free Press, 1965.
2. Popper, K.R. *The Logic of Scientific Discovery*. Chapters I-VII, X. New York: Harper &

Row, 1965.

3. Lakatos, I. and Musgrave, A. (eds.). *Criticism and the Growth of Knowledge*. Cambridge: Cambridge University Press, 1970.
4. Kuhn, T. *The Structure of Scientific Revolutions*. 2nd edition. Chicago: University of Chicago Press, 1970.
5. Newton-Smith, W.H. *The Rationality of Science*. London: Routledge, 1981.
6. Feyerabend, P. *Against Method*. London: Verso, 1975.
7. Cartwright, N. *How the Laws of Physics Lie*. Oxford: Oxford University Press, 1983.
8. Van Fraassen, B. *The Scientific Image*. Oxford: Oxford University Press, 1980.
9. Hacking, I. *Representing and Intervening*. Cambridge: Cambridge University Press, 1983.
10. Sober, E. *The Nature of Selection: Evolutionary Theory in Philosophical Focus*. Cambridge, Massachusetts: MIT Press, 1984.
11. Salmon, W.C. *Four Decades of Scientific Explanation*. University of Pittsburgh Press, 2006.
12. Machamer, P. and Silberstein, M. (eds.). *The Blackwell Guide to the Philosophy of Science*. Oxford: Basil Blackwell, 2002.

同一作者之著作, 只能選考其中一本或一篇。