

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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3. Enderton, H. B. *Elements of Set Theory*. New York: Academic Press, 1977.
4. Hodges, Wilfrid. *A Shorter Model Theory*. Cambridge: Cambridge University Press, 1997.
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### Section II. Philosophical/Non-Classical Logic

1. Van Benthem, Johan. *Modal Logic for Open Minds*. Stanford, California: CSLI, 2010.
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4. Frege, Gottlob. *The Foundations of Arithmetic: A logico-mathematical Inquiry into the Concept of Number*. Tr. Austin, J. L. 2<sup>nd</sup> edition. Oxford: Blackwell, 1980.
5. Frege, Gottlob. *Collected Papers on Mathematics, Logic, and Philosophy*. Ed. McGuinness, B. Oxford: Basil Blackwell, 1984.
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## Part II: Philosophy of Science

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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*. 2<sup>nd</sup> 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。