

### Written Assignment 3

- Either (a) One possible view of the nature of scientific theories (known as “operationalism”) is that they are simply “shorthand accounts of the [experimental] phenomena themselves, effecting an ‘economy of thought’ in dealing with them” (Hesse). Examine this view as applied either to Newtonian mechanics or to the wave theory of light.
- or (b) Explain in your own words, but as clearly as possible, why it is difficult to reconcile the Galilean invariance of Newtonian mechanics with the classical electromagnetic theory of Maxwell.

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Please submit as a double-spaced Word document (‘.docx’ or ‘.doc’) on Compass by 5p on **Thursday, 12 October**. Your submission should be 650-1000 words (about 2-3 pages, but go by word count).