

PHY315 (Years 3/4)
PHYSICS ESSAY TITLES
2013-2014

You may choose **one** of these titles.

- 1) **Safer nuclear reactors**
- 2) **Could we image a virus in action?**
- 3) **Is carbon capture the answer to global warming?**
- 4) **The physics and history of Brownian motion**
- 5) **Could space exploration be profitable within the next 50 years?**
- 6) **Why were blue LEDs and lasers so hard to make?**
- 7) **Could we build self-reproducing nano-machines?**
- 8) **Medical applications of particle accelerators**
- 9) **How do we know what the climate was in the past?**
- 10) **Neutrino masses**

Note:

1. You must not choose an essay title which is close to a subject area which you are researching (or have researched) for project or directed reading work. (If in doubt, please consult me.)
2. Guidelines for preparing the essay are provided overleaf.
3. Two copies of the word-processed essay must be submitted by Friday 2nd May 2014 (the end of the week immediately after the Easter vacation).
4. An electronic copy must also be submitted to “Turnitin”. (Instructions will be provided later.)

Dr C N Booth
14th March 2014