**DPHY 2690 Science and Ethics**

**Room 219, Tuesdays, 6-9**

**Instructor: Hugh Hunter**

**Meeting Outside of Class: By Appointment**

**Email: hhunteronline@gmail.com**

**Required Texts**

[*The Philosophy of Science*](http://www.amazon.ca/Philosophy-Science-Richard-Boyd/dp/0262521563/ref=sr_1_1?s=books&ie=UTF8&qid=1451870969&sr=1-1&keywords=9780262521567), Edited by Richard Boyd, Philip Gasper and J D. Trout (Cambridge: Massachusetts Institute of Technology, 1991)

**Course Website**

[www.jhughunter.com](http://www.jhughunter.com)

**Email for all course material**

[hhunteronline@gmail.com](mailto:hhunteronline@gmail.com)

**Course Work and Grading**

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| **Assignment** | **Due** | **Value** |
| Short Essay 1 | By email, 11:59 PM, Feb 2 | 20% |
| Mid-Term Examination | In class, Feb 10 | 20% |
| Short Essay 2 | By email, 11:59 PM, Mar 29 | 20% |
| Final Examination | TBA | 30% |
| Participation | Ongoing | 10% |
| Optional Short Essay 3 | By email, 11:59 PM, Apr 12 | Replaces the Short Essay 1, 2 or Mid-Term, whichever is lowest grade. |

1. Late work will lose one letter grade increment per day. For example, a piece of work one day late that would ordinarily receive a B would receive a B-. Missing an exam will result in a zero.

2. I take plagiarism seriously, and so does the [Dominican University College](http://www.dominicanu.ca/sites/default/files/pdfs/Academic_Integrity_Policy-2014-04-15.pdf). Please familiarize yourself with this policy to ensure that you do not plagiarize by mistake.

3. If you require special assistance, or if you would like to ask for an extension, please speak to me before or after class.

4. You may submit Short Essay 3 if you wish, and I will count it instead of your lowest grade on the Mid-Term or the other two essays. There will be no other extra credit assignments for this course.

**Course Schedule**

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| **Date** | **Topic** | **Due** | **Reading** |
| Jan 5 | Problems of Induction |  | None |
| Jan 12 | Falsificationism |  | Chapter 5 |
| Jan 19 | Kinds |  | Chapter 8 |
| Jan 26 | Paradigms |  | Chapter 7 |
| Feb 2 | Pessimism  Review | Short Essay 1 due | [“How to Defend Society Against Science”](http://anarcosurrealisti.noblogs.org/files/2010/10/Feyerabend-Paul-How-to-defend-society-against-science.pdf)  Paul Feyerabend  [“Karl Popper and the Jazz Age”](http://www.unz.org/Pub/Encounter-1985jun-00065?View=PDF), David Stove |
| Feb 9 | Midterm |  |  |
| Feb 16 | Reading Week | Reading Week | Reading Week |
| Feb 23 | Realism |  | “[Realisms and Antirealisms](http://www.ianhacking.com/PDFs/Realisms.pdf)”, Ian Hacking |
| Mar 1 | Against Realism |  | Chapter 10  Chapter 12 |
| Mar 8 | Values and Science |  | Chapter 38 |
| Mar 15 | Experiments |  | [“Moral Philosophy Meets Social Psychology”](https://www.princeton.edu/~harman/Papers/Virtue.html)  Gilbert Harman  ***Recommended Additional Reading/Viewing***  [Milgram Obedience Experiments](https://www.youtube.com/watch?v=yr5cjyokVUs)  [University of Toronto Ethics Research Guidelines: Participant Observation](http://www.research.utoronto.ca/wp-content/uploads/2012/10/Participant-Observation-Guidelines-2005.pdf)  [University of Toronto Ethics Research Guidelines: Deception and Debriefing](http://www.research.utoronto.ca/wp-content/uploads/2012/10/Deception_and_Debriefing_Guidelines.pdf) |
| Mar 22 | Human Dignity | Short Essay 2 due | [“Ethical Issues in Human Enhancement”](http://www.nickbostrom.com/ethics/human-enhancement.pdf)  Nick Bostrom & Rebecca Roache  2008, Draft Version  Plato |
| Mar 29 | Animals |  | [“The Case for Animal Rights”](http://www.animal-rights-library.com/texts-m/regan03.htm),  Tom Regan  [“The Case for the Use of Animals in Biomedical Research”,](http://spot.colorado.edu/~heathwoo/phil1200,SP08/cohen.pdf)  Carl Cohen  Available in *Contemporary Moral Issues: Diversity and Consensus*, edited by Lawrence M. Hinman (Upper Saddle River: Pearson Prentice Hall, 2006) [BJ 1031 .H55 C65 2006] |
| Apr 5 | The Environment | Optional Essay 3 due | Entry in the [*Stanford Encyclopedia of Philosophy*](http://plato.stanford.edu/entries/ethics-environmental/)  [“Conservatism means Conservation”](http://www.theimaginativeconservative.org/2012/11/conservatism-means-conservation.html), Roger Scruton |
| Apr 12 | Review/Catch Up |  |  |
|  | Final Exam |  |  |

I reserve the right to make minor changes to the syllabus as the course proceeds.