

# History and Philosophy of Science

| <b>Year and Campus:</b>                            | 2012   |                |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
|--|--|----------------|--|---------|----------------------------|----------------|--------------------------|------------------------|-------|--|------------|-------|--|------------|-------|--------------------------------|------------|-------|-------------------------------------|------------|-------|--|------------|-------|---|------------|-------|----------------------|------------------------|-------|---------|----------------------------|----------------|--|------------|-------|---|------------------|-------|
| <b>Coordinator:</b>                                | Dr Kristian Camilleri  |                |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| <b>Contact:</b>                                    | Email: <a href="mailto:kcam@unimelb.edu.au">kcam@unimelb.edu.au</a> ( <a href="mailto:kcam@unimelb.edu.au">mailto:kcam@unimelb.edu.au</a> )  |                |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| <b>Overview:</b>                                   | <b>Areas of Specialisation:</b> Research projects can be accommodated in a variety of areas and prospective students should contact the coordinator for assistance with selection of a topic.  |                |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| <b>Objectives:</b>                                 | <p>The HPS program specialises in the following areas:</p> <ul style="list-style-type: none"> <li># History of the physical sciences;</li> <li># Relations of science, philosophy and political thought in the early modern Europe and in the twentieth century;</li> <li># History of medicine and the biomedical sciences;</li> <li># Metaphysics of scientific realism;</li> <li># Epistemic naturalism;</li> <li># The idea of 'Nature' in the context of contemporary environmental and human sciences;</li> <li># How science might generatively engage other knowledge traditions;</li> <li># Social context of computer-based technologies.</li> </ul>   |                |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| <b>Structure &amp; Available Subjects:</b>         | The course consists of a 12 000 word supervised research project (37.5%) and a coursework component of five of the Department's honours and postgraduate level seminars (each weighted 12.5%, and requiring the equivalent of 5000 words each).  |                |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| <b>Subject Options:</b>                            | <p>The seminars may be chosen from the following:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>HPSC40002 Directed Study</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>HPSC40014 Science and Ideology in the 20th Century</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>HPSC40012 Beyond the Spin:Technoscientific Failure</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>HPSC40011 Medicine and Culture</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>HPSC90010 Environment and Knowledge</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>PHIL40001 Realism, Relativism and Naturalism</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>HPSC40013 The Western Tradition &amp; its Discontents</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>HPSC40010 HPS Thesis</td> <td>Semester 1, Semester 2</td> <td>18.75</td> </tr> </tbody> </table> <p>Students may choose a maximum of two honours subjects in philosophy as electives from the following:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>PHIL40005 Metaphysics and Epistemology</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>PHIL40013 Uncertainty, Vagueness and Disagreement</td> <td>Not offered 2012</td> <td>12.50</td> </tr> </tbody> </table> |                |  | Subject | Study Period Commencement: | Credit Points: | HPSC40002 Directed Study | Semester 1, Semester 2 | 12.50 | HPSC40014 Science and Ideology in the 20th Century | Semester 1 | 12.50 | HPSC40012 Beyond the Spin:Technoscientific Failure | Semester 2 | 12.50 | HPSC40011 Medicine and Culture | Semester 1 | 12.50 | HPSC90010 Environment and Knowledge | Semester 1 | 12.50 | PHIL40001 Realism, Relativism and Naturalism | Semester 2 | 12.50 | HPSC40013 The Western Tradition & its Discontents | Semester 2 | 12.50 | HPSC40010 HPS Thesis | Semester 1, Semester 2 | 18.75 | Subject | Study Period Commencement: | Credit Points: | PHIL40005 Metaphysics and Epistemology | Semester 1 | 12.50 | PHIL40013 Uncertainty, Vagueness and Disagreement | Not offered 2012 | 12.50 |
| Subject  | Study Period Commencement:   | Credit Points: |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| HPSC40002 Directed Study                           | Semester 1, Semester 2   | 12.50          |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| HPSC40014 Science and Ideology in the 20th Century | Semester 1   | 12.50          |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| HPSC40012 Beyond the Spin:Technoscientific Failure | Semester 2   | 12.50          |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| HPSC40011 Medicine and Culture                     | Semester 1   | 12.50          |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| HPSC90010 Environment and Knowledge                | Semester 1   | 12.50          |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| PHIL40001 Realism, Relativism and Naturalism       | Semester 2   | 12.50          |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| HPSC40013 The Western Tradition & its Discontents  | Semester 2   | 12.50          |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| HPSC40010 HPS Thesis                               | Semester 1, Semester 2   | 18.75          |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| Subject  | Study Period Commencement:   | Credit Points: |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| PHIL40005 Metaphysics and Epistemology             | Semester 1   | 12.50          |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| PHIL40013 Uncertainty, Vagueness and Disagreement  | Not offered 2012   | 12.50          |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |
| <b>Links to further information:</b>               | <a href="http://graduate.science.unimelb.edu.au/">http://graduate.science.unimelb.edu.au/</a>  |                |  |         |                            |                |                          |                        |       |  |            |       |  |            |       |                                |            |       |                                     |            |       |  |            |       |   |            |       |                      |                        |       |         |                            |                |  |            |       |   |                  |       |

**Related Course(s):**

Postgraduate Diploma in Science