

Graduate Diploma in Arts - History and Philosophy of Science

| Year and Campus: | 2016 | | | | | | | | | | | | |
|---|---|----------------|----------------------------|----------------|--|------------|-------|---|------------|-------|---------|----------------------------|----------------|
| Coordinator: | Dr Gerhard Wiesenfeldt | | | | | | | | | | | | |
| Contact: | Email: gerhardw@unimelb.edu.au (mailto:gerhardw@unimelb.edu.au) | | | | | | | | | | | | |
| Overview: | The aim of History and Philosophy of Science is to understand science: how it works, its historical development and its function in modern society. History and Philosophy of Science thus integrates philosophical, historical and sociological approaches to the study of science. It thus provides students with an insight into scientific methods and objectives without actually having to do science. Students will gain analytical skills in evaluating scientific (and non-scientific) knowledge as well as a broad understanding of the historical development of science in its interactions with philosophy, religion and society. | | | | | | | | | | | | |
| Learning Outcomes: | <p>Students who complete the Graduate Diploma in Arts in this area of specialisation should:</p> <ul style="list-style-type: none"> # possess a broad knowledge and understanding of the discipline; students majoring in HPS will be able to identify, understand and synthesise the major theoretical, philosophical, sociological and historiographical themes in HPS. possess a deep knowledge of one of the following areas: history of science; philosophy of science; sociology of science or technology; # create sustained and critical arguments using appropriate knowledge and methods, culminating in independent and self-directed research; # develop an awareness of the relationship between HPS and other disciplines, especially the sciences; # demonstrate integrity and ethical awareness in all aspects of the programme's learning activities; # apply HPS knowledge to real-world practice, including the development of policy and the provision of informed comment about science, society and technology; # develop a wide range of life skills including: life-long learning; excellent communication; effective collaboration in small and large groups; and a high-level of organization; and # reflect upon our own (individual) relationship with science and society. | | | | | | | | | | | | |
| Structure & Available Subjects: | <p>Duration: 1 year full-time / 2 years part-time</p> <p>The Graduate Diploma in Arts in this area of specialisation requires:</p> <ul style="list-style-type: none"> # two compulsory subjects (25 points) # six elective subjects (75 points) <p>Total 100 points</p> <p>Please note: students cannot take more than 12.5 points at first-year level</p> | | | | | | | | | | | | |
| Subject Options: | <p>Compulsory Subjects</p> <p>Two compulsory subjects (25 points)</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>HPSC40016 Contemporary Approaches in HPS</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>HPSC40017 Sociology of Science and Technology</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>Elective Subjects</p> <p>Six elective subjects (75 points)</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> </tbody> </table> | Subject | Study Period Commencement: | Credit Points: | HPSC40016 Contemporary Approaches in HPS | Semester 1 | 12.50 | HPSC40017 Sociology of Science and Technology | Semester 2 | 12.50 | Subject | Study Period Commencement: | Credit Points: |
| Subject | Study Period Commencement: | Credit Points: | | | | | | | | | | | |
| HPSC40016 Contemporary Approaches in HPS | Semester 1 | 12.50 | | | | | | | | | | | |
| HPSC40017 Sociology of Science and Technology | Semester 2 | 12.50 | | | | | | | | | | | |
| Subject | Study Period Commencement: | Credit Points: | | | | | | | | | | | |

| | | | |
|--------------------------------------|---|------------|-------|
| | HPSC10001 From Plato to Einstein | Semester 2 | 12.50 |
| | HPSC10002 Science and Pseudoscience | Semester 1 | 12.50 |
| | HPSC20001 Darwinism: history of a very big idea | Semester 2 | 12.50 |
| | HPSC20002 A History of Nature | January | 12.50 |
| | HPSC20009 Technology & Contemporary Life | January | 12.50 |
| | HPSC20020 God and the Natural Sciences | Semester 1 | 12.50 |
| | HPSC20015 Astronomy in World History | February | 12.50 |
| | HPSC30019 Minds and Madness | Semester 2 | 12.50 |
| | HPSC30023 Science and Society | Semester 1 | 12.50 |
| | HPSC30034 Magic, Reason, New Worlds, 1450-1750 | Semester 1 | 12.50 |
| | HPSC30035 Knowledge in the Making | Semester 2 | 12.50 |
| | PHIL20001 Science, Reason and Reality | Semester 1 | 12.50 |
| | PHIL20033 The Philosophy of Mind | Semester 1 | 12.50 |
| | PHIL30016 Knowledge and Reality | Semester 2 | 12.50 |
| | PHIL30043 The Power and Limits of Logic | Semester 2 | 12.5 |
| Links to further information: | http://shaps.unimelb.edu.au/ | | |
| Related Course(s): | Graduate Diploma in Arts | | |