

# Graduate Certificate in Arts - History and Philosophy of Science

<b>Year and Campus:</b>	2016													
<b>Coordinator:</b>	Dr James Bradley													
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<b>Overview:</b>	<p>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 integrates philosophical, historical and sociological approaches to the study of science. It 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.</p>													
<b>Learning Outcomes:</b>	<p><b>Students who complete the Graduate Certificate in Arts in this area of specialisation should:</b></p> <ul style="list-style-type: none"> <li># identify, understand and synthesise the major theoretical, philosophical, sociological and historiographical themes in HPS;</li> <li># possess a deep knowledge of one of the following areas: history of science; philosophy of science; sociology of science;</li> <li># create sustained and critical arguments using appropriate knowledge and methods, culminating in independent and self-directed research;</li> <li># develop an awareness of the relationship between HPS and other disciplines, especially the sciences;</li> <li># demonstrate integrity and ethical awareness in all aspects of the programme's learning activities;</li> <li># apply HPS knowledge to real-world practice, including the development of policy and the provision of informed comment about science and society;</li> <li># 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</li> <li># reflect upon our own (individual) relationship with science and society.</li> </ul>													
<b>Structure &amp; Available Subjects:</b>	<p><b>Duration:</b> 6 months full-time / 1 year part-time</p> <p><b>Program Requirements -</b></p> <ul style="list-style-type: none"> <li># one core subject (12.5 points)</li> <li># elective subjects (37.5 points)</li> </ul> <p><b>Total 50 points</b></p> <p><b>Please note:</b> students can only take 12.5 points of elective subjects at first-year level</p>													
<b>Subject Options:</b>	<p><b>Core Subjects</b></p> <p>1 core subject (12.5 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>12.5</td> </tr> <tr> <td>HPSC40017 Sociology of Science and Technology</td> <td>Semester 2</td> <td>12.5</td> </tr> </tbody> </table> <p><b>Elective Subjects</b></p> <p>37.5 points</p> <p>Please note: no more than 12.5 points can be taken at first-year level</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	12.5	HPSC40017 Sociology of Science and Technology	Semester 2	12.5	Subject	Study Period Commencement:	Credit Points:
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	HPSC10001 From Plato to Einstein	Semester 2	12.5
	HPSC10002 Science and Pseudoscience	Semester 1	12.5
	HPSC20001 Darwinism: history of a very big idea	Semester 2	12.5
	HPSC20002 A History of Nature	January	12.5
	HPSC20009 Technology & Contemporary Life	January	12.5
	HPSC20015 Astronomy in World History	February	12.5
	HPSC20020 God and the Natural Sciences	Semester 1	12.5
	HPSC30019 Minds and Madness	Semester 2	12.5
	HPSC30023 Science and Society	Semester 1	12.5
	HPSC30034 Magic, Reason, New Worlds, 1450-1750	Semester 1	12.5
	HPSC30035 Knowledge in the Making	Semester 2	12.5
	PHIL20001 Science, Reason and Reality	Semester 1	12.5
<b>Links to further information:</b>	<a href="http://shaps.unimelb.edu.au/">http://shaps.unimelb.edu.au/</a>		
<b>Related Course(s):</b>	Graduate Certificate in Arts		