

## HPSC30023 Science and Society

<b>Credit Points:</b>	12.50
<b>Level:</b>	3 (Undergraduate)
<b>Dates &amp; Locations:</b>	This subject is not offered in 2013. Standard
<b>Time Commitment:</b>	Contact Hours: 3 (2x 1 Hour Lectures per week and 1x 1 hour tutorial for 11 weeks.) Total Time Commitment: An average of 8.5 hours each week.
<b>Prerequisites:</b>	None.
<b>Corequisites:</b>	None.
<b>Recommended Background Knowledge:</b>	Knowledge gained in 75 points of University study (6 subjects) from any area.
<b>Non Allowed Subjects:</b>	Students who have completed 'Science and Society' under one of the codes 136-398 or 136-216 are not permitted to enrol in this subject.
<b>Core Participation Requirements:</b>	For the purposes of considering request for Reasonable Adjustments under the disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>
<b>Contact:</b>	<b>Dr Adam Bostanci</b> ( <a href="http://findanexpert.unimelb.edu.au/display/person73749">http://findanexpert.unimelb.edu.au/display/person73749</a> ) <b>adam.bostanci@unimelb.edu.au</b> ( <a href="mailto:adam.bostanci@unimelb.edu.au">mailto:adam.bostanci@unimelb.edu.au</a> )
<b>Subject Overview:</b>	Science provides innumerable benefits in our lives but poses just as many urgent questions. The aim of this subject is to explore the role of science in our society by drawing on recent scholarly work in sociology and philosophy of science. The first part of the course will introduce several conceptions of scientific knowledge, and of the role of scientists and their knowledge in society. The second part of the course will apply these intellectual tools to some of the pressing questions about contemporary science. What is the relationship between science, technology and the market? To what extent should science be directed by values? What role do or should scientists play in policy decisions? What role should 'the public' play in setting research priorities? What is a scientific expert? Why do we disagree about climate change? Has science shown that race is a social construct?
<b>Objectives:</b>	Students who successfully complete this subject should <ul style="list-style-type: none"> <li># Develop a basic understanding of key theoretical approaches to science as a system of knowledge and its place in contemporary society that have been developed in the humanities and social sciences.</li> <li># Be able to apply these theoretical approaches to the analysis of contemporary or historical case-studies.</li> <li># Develop the capacity for critical analysis of theoretical approaches to examining science as a system of knowledge and their application to historical and contemporary case-studies</li> </ul>
<b>Assessment:</b>	Assessment: An essay of 1,500 words due during semester (40%) and a take home exam with the requirement to answer two further essay questions in the examination period (60%). Hurdle requirement: students must attend a minimum of 75% of tutorials in order to pass this subject. Regular participation in tutorials is required. Assessment submitted late without an approved extension will be penalised at 10% per day; after five working days, late assessment will not be marked. In-class tasks missed without approval will not be marked. All pieces of written work must be submitted to pass this subject.
<b>Prescribed Texts:</b>	Why we disagree about climate change. Mike Hulme, Cambridge University Press 2009. Further texts will be available online.

<b>Breadth Options:</b>	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> <li># <b>Bachelor of Biomedicine</b> (<a href="https://handbook.unimelb.edu.au/view/2013/B-BMED">https://handbook.unimelb.edu.au/view/2013/B-BMED</a>)</li> <li># <b>Bachelor of Commerce</b> (<a href="https://handbook.unimelb.edu.au/view/2013/B-COM">https://handbook.unimelb.edu.au/view/2013/B-COM</a>)</li> <li># <b>Bachelor of Environments</b> (<a href="https://handbook.unimelb.edu.au/view/2013/B-ENVS">https://handbook.unimelb.edu.au/view/2013/B-ENVS</a>)</li> <li># <b>Bachelor of Music</b> (<a href="https://handbook.unimelb.edu.au/view/2013/B-MUS">https://handbook.unimelb.edu.au/view/2013/B-MUS</a>)</li> <li># <b>Bachelor of Science</b> (<a href="https://handbook.unimelb.edu.au/view/2013/B-SCI">https://handbook.unimelb.edu.au/view/2013/B-SCI</a>)</li> <li># <b>Bachelor of Engineering</b> (<a href="https://handbook.unimelb.edu.au/view/2013/B-ENG">https://handbook.unimelb.edu.au/view/2013/B-ENG</a>)</li> </ul> <p>You should visit <a href="http://breadth.unimelb.edu.au/breadth/info/index.html">learn more about breadth subjects (http://breadth.unimelb.edu.au/breadth/info/index.html)</a> and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.</p>
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	<p>Students who successfully complete this subject should</p> <ul style="list-style-type: none"> <li># Develop skills in reading and written and oral communication</li> <li># Conduct independent research</li> <li># Form defensible judgements on the basis of critical evaluation of conflicting arguments.</li> <li># Understand and analyse key conceptual and theoretical arguments</li> <li># Develop their own argument based on empirical evidence</li> </ul>
<b>Links to further information:</b>	<a href="http://hps.unimelb.edu.au/">http://hps.unimelb.edu.au/</a>
<b>Related Majors/Minors/Specialisations:</b>	<p>History and Philosophy of Science  History and Philosophy of Science  History and Philosophy of Science  History and Philosophy of Science (pre-2008 Bachelor of Science)  History and Philosophy of Science Major  Science credit subjects* for pre-2008 BSc, BASc and combined degree science courses  Social Theory  Social Theory  Social Theory Major  Sociology  Sociology  Sociology  Sociology Major</p>
<b>Related Breadth Track(s):</b>	Science, Technology and Society