

## 136-105 Science, Philosophy and History

<b>Credit Points:</b>	12.500
<b>Level:</b>	Undergraduate
<b>Dates &amp; Locations:</b>	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus. *
<b>Time Commitment:</b>	Contact Hours: Two 1-hour lectures and a 1-hour tutorial per week Total Time Commitment: *
<b>Prerequisites:</b>	*
<b>Corequisites:</b>	*
<b>Recommended Background Knowledge:</b>	*
<b>Non Allowed Subjects:</b>	*
<b>Core Participation Requirements:</b>	*
<b>Coordinator:</b>	Assoc Prof Helen Verran
<b>Subject Overview:</b>	Many philosophical issues and problems arose in the course of twentieth century science. Ranging across the physical, biological, and social sciences we consider the work of a variety of twentieth century scientists and study some of the controversies that surrounded their work. Students completing this subject should better understand that science is a remarkably complex and often beautiful result of an intricate set of forces: conceptual and experimental but also economic, social and individual.
<b>Assessment:</b>	Written work totalling 4000 words comprising weekly tutorial assignments of 2000 words 50% (due throughout the semester). A minimum of six tutorial papers are required to be submitted; and a 2000-word final paper 50% (due during the exam period).
<b>Prescribed Texts:</b>	Prescribed Texts:A subject reader will be available for purchase from the University Book Shop.What is This Thing Called Science? (Chalmers), (3rd ed)
<b>Breadth Options:</b>	This subject potentially can be taken as a breadth subject component for the following courses: <ul style="list-style-type: none"> <li># Bachelor of Biomedicine</li> <li># Bachelor of Commerce</li> <li># Bachelor of Environments</li> <li># Bachelor of Music</li> <li># Bachelor of Science</li> <li># Bachelor of Engineering</li> </ul> <p>You should visit <b><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></b> 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>	<ul style="list-style-type: none"> <li># develop skills in written and oral communication;</li> <li># conduct independent research;</li> <li># make appropriate use of primary and secondary sources in mounting an argument;</li> <li># form defensible judgements based on a critical evaluation of conflicting arguments.</li> </ul>

<b>Notes:</b>	Formerly available as 136-031. Students who have completed 136-031 are not eligible to enrol in this subject. Students enrolled in the BSc (pre-2008 degree only), or a combined BSc course (except for the BA/BSc) will receive science credit for the completion of this subject.
<b>Related Course(s):</b>	Bachelor of Arts Diploma in Arts (History and Philosophy of Science Diploma in Arts (Philosophy) Diploma in Arts (Philosophy) Graduate Certificate in Arts (History & Philosophy of Science) Graduate Diploma in Arts (History and Philosophy of Science) Graduate Diploma in Arts (Logic and Philosophy of Science)