

## HPSC30025 Philosophy of Biology (Science 3)

<b>Credit Points:</b>	12.50						
<b>Level:</b>	3 (Undergraduate)						
<b>Dates &amp; Locations:</b>	2012, Parkville This subject commences in the following study period/s: July, Parkville - Taught on campus. This subject is taught intensively over two weeks in the winter break.						
<b>Time Commitment:</b>	Contact Hours: 2 x 1 hour lectures and 1 x 1 hour tutorial per day for the teaching period - 2nd - 13th July 2012 Total Time Commitment: 102 hours total commitemnt						
<b>Prerequisites:</b>	At least two of the following subjects (25 points) must be completed before enrolling in HPSC30025: HPSC20001 Darwinism HPSC20010 Intimacy and Technology HPSC20020 God and the Natural Sciences HPSC20002 A History of Nature PHIL20001 Science, Reason and Reality HPSC20009 Cybersociety HPSC20015 Astronomy in World History						
<b>Corequisites:</b>	None.						
<b>Recommended Background Knowledge:</b>	Knowledge gained in the completion of at least two HPS subjects at level 2.						
<b>Non Allowed Subjects:</b>	Students who have completed 'Philosophy of Biology' under any of the codes 136-207, 136-307, 672-326 or HPSC30028 are not permitted top enrol in this subject. <table border="1" data-bbox="387 1205 1485 1352"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>HPSC30028 Philosophy of Biology</td> <td>July</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	HPSC30028 Philosophy of Biology	July	12.50
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HPSC30028 Philosophy of Biology	July	12.50					
<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>Coordinator:</b>	Assoc Prof Helen Verran						
<b>Contact:</b>	<b>Associate Professor Helen Verran (<a href="http://hps.unimelb.edu.au/about/staff/verran/">http://hps.unimelb.edu.au/about/staff/verran/</a>)</b> <b><a href="mailto:hrv@unimelb.edu.au">hrv@unimelb.edu.au</a> (<a href="mailto:hrv@unimelb.edu.au">mailto:hrv@unimelb.edu.au</a>)</b>						
<b>Subject Overview:</b>	Is biology a unique and autonomous science? Or are biological issues and theories adequately dealt with by using the framework developed for the physical sciences? Do Kuhnian revolutions occur in the biological sciences? How are the functionalist biological sciences that study physiology and cellular processes linked to and/or distinct from the historical or evolutionary biological sciences? These are some of the questions considered in this subject. Discussion of such general issues is pursued through case studies which might include study of the work of Robert Brown - an early 19th century taxonomist, consideration of the procedures adopted by						

	the mid twentieth century metabolic biochemist, Hans Krebs and the conditions that led to the rise of molecular biochemistry and genomics in the second half of the twentieth century.
<b>Objectives:</b>	Students who successfully complete this subject should <ul style="list-style-type: none"> <li># Develop new appreciation of biological concepts through recognising the historical and philosophical circumstances of their emergence.</li> <li># Develop the capacity for critical analysis of a theoretical approach to examining biological sciences as systems of knowledge and practice.</li> </ul>
<b>Assessment:</b>	A 2000 word essay 50% (due two weeks after the teaching period) and a 2-hour exam 50% (at the end of the teaching period). 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>	A subject reader with key texts will be available from the bookshop. Further readings will be available on-line through the subject LMS website.
<b>Recommended Texts:</b>	<i>What Makes Biology Unique? Considerations on the Autonomy of a Scientific Discipline</i> (Ernst Mayr), Cambridge University Press 2004
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<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>	Students who successfully complete this subject should: <ul style="list-style-type: none"> <li># Develop analytic and critical reading skills</li> <li># Develop skills in analytic writing</li> </ul>
<b>Links to further information:</b>	<a href="https://handbook.unimelb.edu.au/view/2010/755-BB">https://handbook.unimelb.edu.au/view/2010/755-BB</a>
<b>Notes:</b>	This subject is only available to pre 2008 science students for credit at third year level. 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. This subject is not available as Breadth for new Gen students.