

# Biotechnology

<b>Year and Campus:</b>	2009						
<b>Coordinator:</b>	Associate Professor Ed Newbigin School of Botany Email: edwardjn@unimelb.edu.au Dr Robb De Longh Department of Anatomy and Cell Biology Email: r.delongh@unimelb.edu.au						
<b>Overview:</b>	Biotechnology is the use of biological knowledge to develop new processes and products for use in industry, health, agribusiness and other areas of human technology. Biotechnology advances can be based on knowledge from biological sciences, chemical sciences or engineering. Because of this, the major is not tied to a particular discipline area. The binding concept is that of developing technology from basic discipline knowledge in at least one area of biomedical science.						
<b>Objectives:</b>	By the end of this major a student will have: <ul style="list-style-type: none"> <li># Knowledge of the basic principles of cellular and molecular science and bioengineering that underpin developments in biotechnology;</li> <li># Understood local and global issues in biotechnology in relation to human welfare;</li> <li># Studied the process by which developments in biotechnology are brought to the market place; and</li> <li># Gained experience in written and oral presentation.</li> </ul>						
<b>Subject Options:</b>	<p>Students studying the Biotechnology major in the Bachelor of Biomedicine must complete the following subjects:</p> <p><b>Second Year</b> Biotechnology</p> <p><b>Third Year</b> Biotechnology in Practice</p> <p><i>Plus three subjects from:</i></p> <p>Functional Genomics and Bioinformatics Protein Structure and Function Concepts in Cell and Developmental Biology Molecular Aspects of Cell Biology</p> <p><b>NB</b> Complete information on third year level subjects will be available in the 2010 Handbook which will be published late 2009.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Subject</th> <th style="width: 20%;">Study Period Commencement:</th> <th style="width: 20%;">Credit Points:</th> </tr> </thead> <tbody> <tr> <td>202-211 Biotechnology</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	202-211 Biotechnology	Semester 2	12.50
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<b>Links to further information:</b>	<a href="http://www.bbiomed.unimelb.edu.au/bachelor_of_biomedicine/course_structure">http://www.bbiomed.unimelb.edu.au/bachelor_of_biomedicine/course_structure</a>						
<b>Related Course(s):</b>	Bachelor of Biomedicine						