

Pathology

Year and Campus:	2010															
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Overview:	Pathology is the scientific study of the nature of disease and its causes, processes, development, and consequences. It is a branch of science where factors which influence the shift from normal to abnormal and back again are studied at every level from the whole organism to the molecule. Therefore it overlaps with a range of biomedical disciplines such as anatomy, cell biology, biochemistry and molecular biology, microbiology and immunology and genetics. The study of Pathology will provide students with background knowledge which will enable them to ask fundamental questions about the response of tissues and cells to injury, mechanisms of healing and the outcomes which may occur when healing is unsuccessful. Students who complete a Pathology major will study findings emerging from research laboratories which are currently investigating some of the most common and intractable diseases in our community e.g. cardiovascular disease, autoimmune disease, neurodegenerative disease and cancer. A Pathology major will also give students the opportunity to experience working in a team on an investigative project and enable them to develop both verbal and written communication skills.															
Objectives:	.															
Structure & Available Subjects:	In 2010 a number of new third year level subjects have been introduced, replacing or adding to subjects previously available within the major. Some previously offered subjects have been cancelled. The University is committed to ensuring that students are not disadvantaged by these changes and students may complete a major as defined by the current structure or a structure detailed in a previous year's handbook applicable to any year the student was enrolled in the course. Students completing third year level subjects across multiple years (e.g. in 2009 and 2010) should refer to advice within each subject entry on non-allowed subject combinations. Students unsure about the structure of their intended major should seek advice from the Science Student Centre.															
Subject Options:	<p>Pathology major</p> <p>Completion of 50 points of study at third year level.</p> <p>All four of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>PATH30001 Mechanisms of Human Disease</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>PATH30002 Techniques for Investigation of Disease</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>PATH30003 Consequences of Human Disease</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>PATH30004 Advanced Investigation of Human Disease</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	PATH30001 Mechanisms of Human Disease	Semester 1	12.50	PATH30002 Techniques for Investigation of Disease	Semester 1	12.50	PATH30003 Consequences of Human Disease	Semester 2	12.50	PATH30004 Advanced Investigation of Human Disease	Semester 2	12.50
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Related Course(s):	Bachelor of Arts and Bachelor of Science Bachelor of Arts and Sciences Bachelor of Commerce and Bachelor of Science Bachelor of Science Bachelor of Science and Bachelor of Information Systems															