PATH40005 Pathology Research Project

Credit Points:	50
Level:	4 (Undergraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: This subject is an individual research project and weekly contact hours will vary depending on the nature of the project. Total Time Commitment: Students should discuss total time commitment with their supervisor but as a guide, a student would be expected to be engaged in their research for an average of thirty hours per week over two semesters.
Prerequisites:	Students must be enrolled in the Bachelor of Biomedicine (Honours) or the Bachelor of Science (Honours) to complete this subject.

Subject	Study Period Commencement:	Credit Points:
BIOM40001 Introduction To Biomedical Research	February	12.50
PATH40002 Critical Analysis of Pathology Research	Semester 1	12.50
PATH40001 Pathology Research Project	Semester 1	25

Corequisites:	None
Recommended Background Knowledge:	It is recommended that students have a Pathology major that includes the below subject as their elective.

Subject	Study Period Commencement:	Credit Points:
PATH30004 Advanced Investigation of Human Disease	Semester 2	12.50

Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Equitable Adjustment Procedure (SEAP), 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: http://www.services.unimelb.edu.au/disability/
Coordinator:	Dr Theo Mantamadiotis
Contact:	Subject Coordinator: Dr Theo Mantamadiotis **theom@unimelb.edu.au (mailto:theom@unimelb.edu.au)** Administrative Coordinator: Ms Lesley Robinson **lesleyr@unimelb.edu.au (mailto:lesleyr@unimelb.edu.au)**
Subject Overview:	The Honours program in the Department of Pathology provides an introduction to the challenging area of investigation of disease processes at the cellular and molecular level. This program involves candidates undertaking a full-time research project based in a laboratory within the Department of Pathology or at one of our affiliated institutions. A student undertaking

	the Pathology Honours Research Project will have an interest in understanding the mechanisms of disease. Students will be enrolled in the following subjects PATH40001, 25 points (Semester 1) PATH40002, 12.5 points (Semester 1) BIOM40001, 12.5 points (Semester 1) PATH40005, 50 points (Semester 2) to fulfill the 100 credit points to successfully complete the Pathology Honours program.
Learning Outcomes:	The course objectives include the development of an individual student's skills in the areas of - • Planning and design of experiments. • Constructing a hypothesis and relevant aims for a project. • Acquisition, interpretation and critical analysis of results. • Reporting of experimental data in a concise and scientific manner consistent with that published in scientific articles. • Communication of the research project via oral presentations to a scientific audience.
Assessment:	Submission of draft literature review due in May (hurdle) An introductory seminar (15 minute duration) due in May (6.7%) A literature Review due in October (13.3%) Research thesis due in October (66.7%) A defense-of-thesis seminar (30 minute duration) due in November (13.3%)
Prescribed Texts:	None
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	• Develop an appreciation for working in a laboratory research environment. • Become an expert in the area relating to the research project. • Acquire oral communication skills for discussion of research ideas. • Develop skills in time management and planning. • Become proficient in a number of technical laboratory skills.
Links to further information:	http://www.path.unimelb.edu.au/
Notes:	Students completing a Pathology specialisation must have a: Pathology major OR **PATH30001 (../../view/2011/PATH30001)** and **PATH30002 (../../view/2011/PATH30002)** or **PATH30001 (../../view/2011/PATH30001)** and a **SCIE30001 (../../view/2011/SCIE30001)** project completed in the Department of Pathology in association with a major in another Biomedical discipline OR Students interested in honours in Pathology who do not have the above prerequisites but have practical experience in another biomedical science discipline should contact the Pathology Honours coordinator to discuss their eligiblity for honours in Pathology.
Related Majors/Minors/ Specialisations:	Pathology