

SINF30008 Science Informatics in Practice

Credit Points:	12.50		
Level:	3 (Undergraduate)		
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.		
Time Commitment:	Contact Hours: 1 x one hour lecture per week, 1 x two hour laboratory class per week for student project work Total Time Commitment: Estimated total time commitment of 120 hours		
Prerequisites:	Both of		
	Subject	Study Period Commencement:	Credit Points:
	SINF30007 Distributed Information	Semester 1	12.50
	SINF20006 Information Visualisation	Semester 2	12.50
Corequisites:	None		
Recommended Background Knowledge:	None		
Non Allowed Subjects:	None		
	Subject	Study Period Commencement:	Credit Points:
	INFO30003 Informatics 6: e-Research Project	Semester 1	12.50
Core Participation Requirements:	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. This subject requires all students to actively and safely participate in laboratory activities. Students who feel their disability may impact upon their participation are encouraged to discuss this with the subject coordinator and the Disability Liaison Unit.		
Coordinator:	Dr Reeva Lederman		
Contact:	Email: reeva.lederman@unimelb.edu.au (mailto: reeva.lederman@unimelb.edu.au)		
Subject Overview:	This is the Science Informatics capstone laboratory based subject. Students will work in teams to apply the skills they have learnt throughout the major to a large, domain based real world informatics problem. Particular examples might include web-based collaboration portals; clinical research database development; information architecture analyses; genetic database integration. This subject will also cover professional issues in informatics and basic project management skills.		
Objectives:	On completion of this subject students should be able to: # Confidently approach a complex data-based specific problem and design an effective solution # Implement a complex web-based application		
Assessment:	A 1 hour individual test during the lecture in the final week of semester (20%), Group submission of approximately 40 pages of documentation submitted in several parts throughout the semester (70%) and a 20 minute oral presentation in week 11 of the semester (10%).		
Prescribed Texts:	To be advised		
Recommended Texts:	To be advised		

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:	<p>On completion of the subject students should have developed the following generic skills:</p> <ul style="list-style-type: none"> # The ability to analyse and solve problems involving large amounts of real world data; # The ability to synthesise information and communicate results effectively; # The ability to work effectively as a member of a project team; # The capacity for critical and independent thought and reflection and; # The ability to plan and manage time.
Notes:	This subject is available for science credit to students enrolled in the BSc (new degree).
Related Course(s):	Bachelor of Science
Related Majors/Minors/ Specialisations:	Science Informatics