SINF30008 Science Informatics in Practice

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	This subject is not offered in 2013.
Time Commitment:	Contact Hours: 1one-hour lecture per week, 1 two-hour laboratory class per week for student project work Total Time Commitment: 120 hours
Prerequisites:	Both **Subject** / **Study Period Commencement:** / **Credit Points:** SINF30007 Distributed Information — Not offered 2013 — 12.50 SINF20006 Information Visualisation — Not offered 2013 — 12.50 OR **Subject** / **Study Period Commencement:** / **Credit Points:** INFO30005 Web Information Technologies — Not offered 2013 — 12.50
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	Students may not gain credit for both this subject and any of the following: **Subject** / **Study Period Commencement:** / **Credit Points:** INFO30003 Informatics 6: e-Research Project — Not offered 2013 — 12.50 ISYS30006 Industrial Project — Not offered 2013 — 12.50
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability
Contact:	Dr Reeva Lederman email: **reeva.lederman@unimelb.edu.au (mailto: reeva.lederman@unimelb.edu.au)**
Subject Overview:	This capstone subject will allow students to put into practice the skills learnt in the Science Informatics major. Students will work in teams to apply their skills to real world informatics problems. Particular examples might include web-based collaboration portals; clinical research database development; information architecture analyses; genetic database integration. This subject will also investigate professional issues in informatics and develop project management skills.

Objectives:	On completion of this subject students should be able to: # Confidently approach informatics problems and design effective solutions and # 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:	On completion of the subject students should have developed the following generic skills: # 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 ream # 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 Majors/Minors/ Specialisations:	Science Informatics Science-credited subjects - new generation B-SCI and B-ENG. Core selective subjects for B-BMED.