COMP90041 Programming and Software Development

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 3 hours per week; Non-contact time commitment: 84 hours Total Time Commitment: Not available
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
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 Students Experiencing Academic Disadvantage Policy, 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 Rui Zhang
Contact:	Engineering Student Centre Ground Floor, Old Engineering Building The University of Melbourne Victoria 3010 AUSTRALIA Tel: +61 3 8344 6703 Fax: +61 3 9349 2182 Email **http://eng-unimelb.custhelp.com (http://eng-unimelb.custhelp.com/)**
Subject Overview:	Topics covered include algorithmic problem-solving; data types; program structures; objects and classes; data storage structures, and files. The programming will be undertaken in Java.
Objectives:	On successful completion students will: # Be able to demonstrate proficiency in designing and writing programs using a programming language.
Assessment:	Project work during semester expected to take approximately 36 hours (40%) and one 2-hour written examination at the end of the semester (60%). Details of assessment components will be advised at the commencement of the subject. Both components must be completed satisfactorily to pass the subject.
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:	On successful completion students should: # Have developed an understanding of approaches to solving moderately complex problems with computer # Be able to undertake problem identification, formulation and solution

	# Have a capacity for independent critical thought, rational inquiry and self-directed learning; and # Have a profound respect for truth and intellectual integrity, and for the ethics of scholarship.
Related Course(s):	Graduate Certificate in Information Systems Master of Engineering in Distributed Computing Master of Information Systems Master of Information Technology Postgraduate Certificate in Engineering
Related Majors/Minors/ Specialisations:	Master of Engineering (Software)