



SWINBURNE
UNIVERSITY OF
TECHNOLOGY

Faculty of Information and Communication Technologies

VCE Software Development Day

3 July, 2009



The VCE Software Development Day has been designed to help you with some of the more challenging areas from the curriculum from Networking to Algorithms. The day also includes an important session on exam preparation designed specifically to assist you with the SD end of year exam.

The day is being held on the Holidays on Friday 3 July, 2009 from 9:30 – 3pm.

The sessions included on the day are:

Designing & Testing a Program: In this computer lab based session you will be guided through a computer game based problem. Using design and test tools, you will work through the algorithm identifying program structures and errors. You will then implement the program designed and use testing techniques to identify any errors present in the code.

Networking: This session will cover the fundamentals of Network Hardware, Software and Topologies. Students will look at the types of networks and the strengths and weaknesses of different network topologies. You will gain an understanding on the purpose and functions of operating systems and network operating systems. The presenter will investigate the purpose, functions and capabilities of communications technology, including network interface cards, transmission media (cables and wireless), routing devices and protocols. Real life examples and equipment will be used to illustrate these topics.

Network Security & Design: In this computer lab based session you will witness the infection of a PC with Trojans, viruses and spyware, simply by visiting an "evil" web site. You will discover how to detect the infection, observe its behaviour, and how to remove it. You will then learn a few simple steps which make your PC immune to such attacks even if they have no anti-virus, anti-spyware or firewall software.

Exam Preparation: This session is specifically designed around preparing students for the end of year exam. An experienced IT teacher will present students with the best strategies for maximising their mark. Students will be given general exam advice as well as specific areas of interest to focus on based on previous years' areas of difficulty. Students will also be introduced to a range of exam preparation resources specifically designed for this day which they can then download.

Register

Enter you details on the following web page to reserve your spot for the day:

www.swinburne.edu.au/ict/schools/swinburne/register

The day is free of charge and lunch is provided.

If you have any additional questions about the day please contact Rob Mercer (rmerc@swin.edu.au).