Graduate Certificate in Information Technology (Generic) (IT97)

Year offered: 2011
Admissions: No
Course duration (full-time): 1 semester
Course duration (part-time): 2 semesters
Domestic Fees (indicative): 2011: Full fee tuition $7,375 (indicative) per semester
Domestic Entry: February and July
Total credit points: 48
Course coordinator: Dr Ernest Foo
Campus: Gardens Point and External

Entry requirements
Please note: From 2009, this course is discontinued - please refer to IT85.

An approved degree in information technology from a recognised tertiary institution OR professional recognition through an equivalent course of study or examination OR evidence of qualifications (for example Recognised Prior Learning) that satisfy the Faculty that the applicant possesses the capacity to pursue the course of study AND at least two years appropriate full-time work experience.

Further Information
For further information about this course, please contact

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IT97 is an exit option only

UNIT SYNOPSES

ITB001 PROBLEM SOLVING AND PROGRAMMING
This unit aims to give you a positive introduction to the analytical skills required in computer programming. It assumes you have little or no previous programming experience. The unit emphasises generic programming concepts and related problem-solving strategies. The skills you learn in the unit will be applicable to a wide variety of commonly-used, industrially-significant programming and scripting languages.
Prerequisite(s): Nil
Corequisite(s): Nil
Credit points: 12
Contact hours: 4
Campus: Gardens Point
Teaching period: 2008 SEM-1 and 2008 SEM-2
Incompatible with: ITB111

ITN200 DATABASE SYSTEMS
This unit presents databases in their key role of enabling enterprise initiatives of all kinds.
Credit points: 12
Contact hours: 3 per week
Campus: Gardens Point
Teaching period: 2008 SEM-1, 2008 SEM-2 and 2008 SUMMER
Incompatible with: ITN212

ITN201 ENTERPRISE ARCHITECTURES
The aim of this unit is to equip you with a broad awareness of various systems and models providing a complete solution to the information needs of an organisation, and to provide linkages with other units that you will be doing in your degree. This unit will introduce comprehensive frameworks that show the diversity of infrastructure and information system requirements and introduce the issues involved in aligning business and IT strategy. These frameworks link technology architectures, application architectures, data and information architectures and business architectures showing the inter-connectedness of systems.
Credit points: 12
Contact hours: 3 per week
Campus: Gardens Point
Teaching period: 2008 SEM-1 and 2008 SEM-2

ITN272 INFORMATION TECHNOLOGY PROJECT MANAGEMENT
The aim of this unit is to provide experience in IT project management issues. It prepares you for the management of IT projects.
Prerequisite(s): Nil
Credit points: 12
Contact hours: 3 per week
Campus: Gardens Point
Teaching period: 2008 SEM-1 and 2008 SEM-2

Potential Careers:
Data Communications Specialist, Internet Professional, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager.
ITN700 PROGRAMMING PRINCIPLES
Information technology students need a fundamental knowledge of programming and an understanding of the processes and issues involved in the development of software. Graduates will most likely be required to work with programmers at some time in their career. Therefore they need to understand the challenges and constraints that arise in the software development process. This unit provides students with a basis for the further acquisition of programming knowledge and skills and is a prerequisite for subsequent units in software engineering, data communications and information systems.
Prerequisite(s): Nil
Credit points: 12
Contact hours: 3
Campus: Gardens Point
Teaching period: 2008 SEM-1, 2008 SEM-2 and 2008 SUMMER
Incompatible with: ITN600

ITN701 NETWORKS AND SYSTEMS
The main aim of this unit is to provide a broad introduction to networks. The teaching staff will make surface level approaches to explain concepts from diversified areas within computer networking. The unit also aims at giving extensive hands-on practical sessions throughout the semester.
Prerequisite(s): Nil
Credit points: 12
Contact hours: 3
Campus: Gardens Point
Teaching period: 2008 SEM-1, 2008 SEM-2 and 2008 SUMMER
Incompatible with: ITN601