Graduate Certificate in Information Technology (Information Security) (IT92)

Year offered: 2010  
Admissions: No  
CRICOS code: IT92  
Course duration (part-time): 2 semesters or 26 weeks (based on completing 2 units/sem)  
Domestic fees (indicative): 2010: Full fee tuition $7,250 (indicative) per semester  
Assumed knowledge: See entry requirements  
Preparatory studies: For information on acquiring assumed knowledge visit  
Total credit points: 48  
Course coordinator: Dr Ernest Foo  
Campus: Gardens Point

IT92 Grad Cert in Information Technology (Information Security)

Four (4) units to be completed

INN690 Minor Project 1  
INN255 Security  
INN355 Cryptology and Protocols  
INN652 Advanced Cryptology

Potential Careers:  
Data Communications Specialist, Internet Professional, Network Administrator, Network Manager.

UNIT SYNOPSISES

INN255 SECURITY  
This unit aims to give you an understanding of the major issues in information security. You will be able to identify critical information security concepts and determine the information security implications of interactions between entities. You will have knowledge of a range of techniques for protecting information, and understand the limitations of these techniques. You will be aware of international information security management standards.

Antirequisites: INB255  
Equivalents: ITB161, ITB523, ITB623, ITB730, ITN161, ITN511, ITN523, ITN623, ITN663, ITN730  
Credit points: 12  
Contact hours: 3 per week  
Campus: Gardens Point  
Teaching period: 2010 SEM-1

INN355 CRYPTOLOGY AND PROTOCOLS  
Cryptographic techniques are widely used to implement computer and network security. As an IT security professional you may be required either to evaluate or implement information systems using cryptographic algorithms and protocols. This elective unit covers the main cryptographic technical concepts including encryption, digital signatures and cryptographic protocols.

Antirequisites: INB355  
Assumed knowledge: Maths B or equivalent (e.g. MAB105) is assumed knowledge.  
Equivalents: ITB548, ITB566, ITB646, ITB732, ITN566, ITN512, ITN581, ITN732  
Credit points: 12  
Contact hours: 3 per week  
Campus: Gardens Point  
Teaching period: 2010 SEM-1

INN652 ADVANCED CRYPTOLOGY  
This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial development project in advanced cryptography. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful project management.

Credit points: 12  
Campus: Gardens Point  
Teaching period: 2010 SEM-2

INN690 MINOR PROJECT 1  
The aims of this unit are to help you acquire necessary skills in a problem domain, and to enable you to conduct a well-defined project with specific outcomes within a precisely defined project plan. This unit also teaches you how to prepare a well written project report.

Assumed knowledge: Completion of at least 48 credit points of Postgraduate level IT units is assumed knowledge.

Credit points: 12  
Campus: Gardens Point  
Teaching period: 2010 SEM-1, 2010 SEM-2 and 2010 SUM

Published on: 16 May 2011 
Page 1/1