

Briefing for Early Admission to School of Computing

A/Prof KHOO Siau Cheng
Vice Dean, Undergraduate Programmes

Degree Programmes

- **Undergraduate Programmes:**

- **Bachelor of Computing** **CB** **in Computational Biology**
- **Bachelor of Computing** **CM** **in Communications & Media**
- **Bachelor of Computing** **CS** **in Computer Science**
- **Bachelor of Engineering** **CEG** **in Computer Engineering**
- **Bachelor of Computing** **EC** **in E-Commerce**
- **Bachelor of Computing** **IS** **in Information Systems**

Graduate Programmes:

Master of Computing (by Coursework)

Doctor of Philosophy

Calendar of Events

- **Study**
 - **Special Terms**
 - **Modules**
 - **Study Support**
- **Orientation**
 - **Computing Club and Student Areas**
 - **SoC Camp**
 - **Freshmen Orientation Week**
 - **Dean's Welcome Tea + Course Briefing**

SoC Courses offered in Special Terms

- **Term 3 (12 May –20 Jun 2009)**
 - **CS1105 Computing and Society**
 - **CS2102/CS2102S Database Systems**
 - **CS2281 Programming in UNIX**
- **Term 4 (22 Jun – 1Aug 2009)**
 - **CS2103 Software Engineering**
 - **CS3235 Introduction to Computer Security**

Modules

- **Attend the CORS Briefing session**
 - **today 5pm, Multi-purpose Sports Hall 6**
 - **Information: Module registration, module availability**
- **Module Information**
 - **Available at Registrar Website**
 - <http://www.nus.edu.sg/registrar/nusbuletin/faculty.html>
 - **How to read module information?**

Module Code	CS3235
Module Title	INFORMATION SECURITY
Modular Credit	4
+ Workload	2-1-0-3
Prerequisites	CS2105
Description	With the widespread use of computers and Internet as well as electronic commerce, computer security becomes more and more important. The objective of this module is to give students basic knowledge of computer security. This module covers the following topics: threats to computer systems, network security fundamentals, security in a layered protocol architecture, authentication in computer systems, access control, intrusion detection, security architecture and frameworks, lower layers security protocols, upper layer security protocols, electronic mail and EDI security, directory systems security, Unix systems security, security evaluation criteria.

“Weight” of a module :

Workload of a module

Must pass this module before taking CS3235

Module Code	CS1231
Module Title	DISCRETE STRUCTURES
Modular Credit	4
+Workload	3-1-0-3-3
Prerequisites	A-level Mat
Preclusions	MA1100
Description	<p>This module introduces mathematical tools required in the study of computer science. Topics include: (1) Logic and proof techniques: propositions, conditionals, quantifications. (2) Relations and Functions: Equivalence relations and partitions. Partially ordered sets. Well-Ordering Principle. Function equality. Boolean/identity/inverse functions. Bijection. (3) Mathematical formulation of data models (linear model, trees, graphs). (4) Counting and Combinatoric: Pigeonhole Principle. Inclusion-Exclusion Principle. Number of relations on a set, number of injections from one finite set to another, Diagonalisation proof: An infinite countable set has an uncountable power set; Algorithmic proof: An infinite set has a countably infinite subset. Subsets of countable sets are countable.</p>

Must not have taken MA1100 before

Modes of Module Taking:

1. Taking with Grade

- Obtain a letter grade (A, B, C, D, F) at the end of the course
- Included in the calculation of your performance

Modes of Module Taking:

1. Taking with Grade

2. Taking the S/U Option

- Obtain either a Satisfactory (S) or an Unsatisfactory (U) record
- **Not included in the calculation of your performance**
- Maximum of 12 MC to be counted towards your degree requirement (under normal circumstances)
- **Cannot convert back to grade**
- Cannot exercise this option on modules required for Programme/Major/Minor requirement.

Tuition Fees

- **Semesters 1 & 2 total fee, Academic Year 2008/2009**
 - **Singapore Citizens: \$6,360**
 - **PR: \$7,000**
- **Per module, Special Terms, AY 08/09**
 - **Singapore Citizens: \$636**
 - **PR: \$700**

Application for Scholarship

- **University scholarship:**

- Apply online

<http://nus.edu.sg/oam/scholarship/instruction.htm>

- **Deadline: End March 2009**

- **National Infocomm Scholarship**

<http://www.ida.gov.sg/Programmes/20060419152828.aspx?getPagetype=35>

- **Deadline: 31 March 2009**

- **Bursaries, Loans, University Scholarship**

<http://www.comp.nus.edu.sg/qlinks/prosp-students.shtml>

Academic Advisors (AY2008/2009)

- Dr Alan Cheng, AS6 #05-03,
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- Dr Tan Sun Teck, COM1 #03-15,
 - tanst@comp.nus.edu.sg
- A/Prof Yeo Gee Kin, SOC1 #05-14,
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- Simply email to: [**advisors08@comp.nus.edu.sg**](mailto:advisors08@comp.nus.edu.sg)

Academic Advisory Coordinator

•**Mr TAN Tuck Choy, Aaron**



•**(COM1 #03-12)**

•**tantc@comp.nus.edu.sg**

Undergraduate Office (Level 2, COM 1)

bcomp@comp.nus.edu.sg

- **Vice-Dean:** Assoc Prof KHOO Siau Cheng
- **Personal Assistant:** Ms TEO Pei Pei
- **Assistant Dean:** Assoc Prof LEE Wee Sun
- **Assistant Dean:** Assoc Prof LEE Mong Li, Janice
- **Associate Director:** Ms TOH Mui Kiat
- **Manager:** Mr LOW Mun Bak
- **Assistant Manager:** Ms Pamela LIM
- **Management Support Officers:**
 - Mrs KWEK Wong Kay,
 - Ms Nur Arifah Bte Mukaral
 - Ms Shanika Lakmali Wijesekara

Various Academic Events

- **Monday 6 July 2009**
 - **Deadline to apply for BComp (Comp Biology)**
- **Friday 16 July 2009**
 - **Qualifying English Test**
- **Monday 20 July 2009**
 - **Computing Placement Tests**
- **Tuesday 21 July 2009**
 - **MA1301 Introductory Mathematics Proficiency Test**
- **20 to 24 July 2009**
 - **Computational Biology programme interviews**

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SOC Facilities

- **Let's go for a tour**

- **Thank you.**
- **Q & A.**