Terence Sim 15, 16 Aug 2018

0

# I can do it! CSI231 <del>Discrete Structures</del>

# Message of the Day can do it! l can do it! I can do it!

www.facebook.com/JokeandSMS

# I know I can do it

Don't feel like this

But like this



http://www.jiujitsutimes.com/wp-content/uploads/Olympics\_2012\_Womens\_75kg\_Weightlifting.jpg



### **Think Positive**

### Whether you THINK you CAN

or

### You THINK you CAN'T,

you're right!

# **Teaching Staff**

2 Lecturers:



### **Terence Sim**

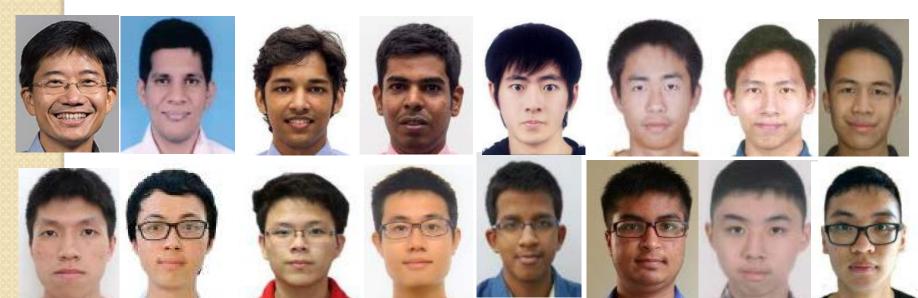
tsim@comp.nus.edu.sg



### Aaron Tan

tantc@comp.nus.edu.sg

Tutors:



# Luminus for web lectures IVLE for everything else

Workspace / Modules : CS1231 (18/19 Sem 1) / Overview

#### https://luminus.nus.edu.sg

Module	Description	Facilitators	Readings	Weblinks	Timetable						
Overview						CS1231					
Consultation	CS1231					Discrete Structures					
Class & Groups	DISCRE	ETE STRU	JCTURE	3		[1810] 2018/2019 Semester 1					
Tools	<b>2018/2019</b>	9, Semester 1									
Announcement	School of 🔁 🔁 🔁	Computing (Com Credits: 4	puter Science)								
Assessment	L Class Size: 626 Tags: DESCRIPTION COLLABORATORS READINGS WEBLINKS TIMETABLE										
Chat Room	ASSOC P	ROF Terence Si	n								
Files (Workbin)	🗸 Quicl	k Access to Ac	tive Tools			Preclusion					
Forum	st Appour	icement 0				MA1100					
Gradebook	Files I	DISCRETE STRI DISCRETE STR	RUCTURES (1		AM - 31 Dec 2018	18 11:00 F Description					
Lesson Plan		ook DISCRETE Plan DISCRET				This module introduces mathematical tools required in the study of computer science. Topics include:					
<u>https://</u>	ivle.nus	s.edu.sg				<ul> <li>(1) Logic and proof techniques: propositions, conditionals, quantifications. (2) Relations and Functions:</li> <li>Equivalence relations and partitions. Partially ordered sets. Well-Ordering Principle. Function equality.</li> <li>Boolean/identity/inverse functions. Bijection. (3) Mathematical formulation of data models (linear model, trees, graphs). (4) Counting and Combinatoric: Pigeonhole Principle. Inclusion-Exclusion</li> <li>Principle. Number of relations on a set, number of injections from one finite set to another,</li> </ul>					

Read IVLE daily; ignorance is not an excuse.

Use the Forum to ask questions, share ideas, and discussion relevant topics. Be courteous, even when disagreeing.

Do not post anything that may violate the owner's copyright.

#### https://www.comp.nus.edu.sg/~cs1231/

### Also read Module web site



School of Computing

Designed by Aaron Tan | Terms of Use © NUS 2016-2018

#### Module Info...

Description Staff Schedules CA Policies

#### AY2018/9 Semester 1 Module Information - Schedules

#### Calendar:

Resources... Books Online Lectures

#### CA...

<u>Tutorials</u> <u>Assignments</u> <u>Term Tests</u> Exams

Misc... Info Freshmen Articles

	Aug	gust	2018						
	Sun	Mon	Tue	Wed	Thu	Fri	Sat		
			1	2	3	4	5		
0:	6	7	8	9	10	11	12		
1:	12	13	14	15	16	17	18		
2:	19	20	21	22	23	24	25		
3:	26	27	28	29	30	31			

	October 2018									November 2018					
	Sun	Mon	Tue	Wed	Thu	Fri	Sat		Sun	Mon	Tue	Wed	Thu		
7:	0	1	2	3	4	5	6	11:					1		
8:	7	8	9	10	11	12	13	12:	4	5	6	7	8		
9:	14	15	16	17	18	19	20	13:	11	12	13	14	15		
10:	21	22	23	24	25	26	27	RD:	18	19	20	21	22		
11:	28	29	30	31				E1:	25	26	27	28	29		

For a complete academic calendar, see University's calendar.

3:

4: 2

RC: 30

Recess week: 22 - 30 Sep 2018 Public holidays: 9 Aug (National Day), 22 Aug (Hari Raya Haji), 6 Nov (Deepavali) CS1231 Exam: **1 Dec** (See Examination Time-Table)

September 2018

Sun Mon Tue Wed Thu Fri Sat

5: 9 10 11 12 13 14 15

6: 16 17 18 19 20 21 22

RC: 23 24 25 26 27 28 29

3 4 5 6 7 8

#### **NUS Class Time-Table:**

Please see NUS Class Time-Table.



1

Fri Sat 2 3

9 10

16 17

23 24

30 1

# Lectures & Tutorials

- Attendance will be taken during tutorials, but not lectures.
  - Stay with your tutorial group for the whole semester; do not switch group
- Pay attention and participate in class
- Do not distract others
  - No Pokemon or games
  - No watching videos
  - No social networking or messaging
- Web Lectures will be available in Luminus a day or two after each lecture.



### Assessment

Final Exam	50%
Midterm Exam	25%
Two Assignments (10% each)	20%
Tutorial Attendance	5%

Final and Midterm Exams are OPEN BOOK (more details later). Basically, this means you can bring in *hardcopy* notes, textbook. Softcopy NOT allowed.

### Exam Dates

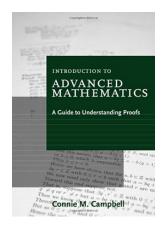


Midterm exam: Final exam: TBA (most likely 1 Oct.) Sat, 1 Dec 2018, afternoon

## Books



Discrete Mathematics with Applications, International Edition 4th Edition Susanna S. Epp ISBN-13: 9780495826163 | ISBN-10: 0495826162 © 2011 | Published | 984 Pages List Price: S\$326.25 Special Adoption Price: S\$77.60 (Inclusive of 7% GST)



Introduction to Advanced Mathematics: A Guide to Understanding Proofs 1st Edition Connie M. Campbell ISBN-13: 9780547165387 | ISBN-10: 0547165382 © 2012 | Published | 144 Pages List Price: S\$59.75 Special Adoption Price: S\$25.90 (Inclusive of 7% GST)

Special bundle price: both books for S\$80.40 (incl. 7% GST)

Note: both are also available at Central Library (RBR)

# Avoid Plagiarism at all costs!

Group study is fine, but write up your own solutions yourself. Do not copy.

Also see:

http://emodule.nus.edu.sg/ac/

https://www.comp.nus.edu.sg/undergraduates/plagiarism.html



## Action Items

Register for a tutorial slot via CORS asap

Next Wed, 22 Aug 2018 is a public holiday.

No lecture for Group 1.

Instead, you may attend Group 2's lecture on Thurs, 23 Aug, in I<sup>3</sup> Auditorium, from 2pm – 4pm (via live streaming)

Or view the web lecture in Luminus.

## This module is tough, but ...



http://www.medicaldaily.com/fist-clenching-can-improve-your-memory-study-finds-245254