



Data Structures and Algorithms

EE2008/IM1001

Coverage

Topics	
Weeks 1-5 A/P Low Chor Ping icplow@ntu.edu.sg S2-B2c-86 / 6790-6368	Introduction
	Principles of Algorithm Analysis
	Data Structures
Weeks 6,7,11-13 A/P Huang Guangbin egbhuang@ntu.edu.sg Weeks 8-10 Asst/P Tay Wee Peng wptay@ntu.edu.sg	Sorting
	Searching
	Algorithm Design Techniques

Assessments

- Grading will be based on
 - 2 Homework Assignments,
 - 2 Lab Assignments
 - 1 continuous assessment,
 - Final exam
- 1st Homework Assignment
 - Given out in week 4 by your tutors during tutorial sessions
 - Hand in to your tutors for grading in week 5 during tutorial sessions
- 2nd Homework Assignment
 - Given out in week 11 by your tutors during tutorial sessions
 - Hand in to your tutors for grading in week 12 during tutorial sessions

Late Policy

- Late homework assignment submissions will be penalized 10% each day it is late.
- The penalty begins at the beginning of class the day the assignment is due.
- The 10% penalties will continue for 3 full days at which point no more late submissions will be graded.

Plagiarism Policy

- The actual write-up must be done entirely by yourself.
- You cannot directly copy or slightly change other students' solutions
- If you cheat on an assignment, both you and the person who helped you will receive a lower grade or the fail grade F.

Continuous Assessment

- Continuous Assessment will be held on **week 8 (week after recess week)** during **tutorial sessions**
- **Answer questions within 30 min** and submit solutions to tutor for grading
- Students must take their CA in their respective tutorial groups
- Tutors will take attendance during CA
 - Bring along student ID
 - Students without any ID (with photo) are to sign against their names in attendance list. Need to show ID to tutor later before marks can be accepted
- Absentees should contact tutors within one week of the CA
- Absentees with valid reasons or MCs can request to take a separate CA within 2 weeks of CA. Tutor to decide if request can be acceded
- If absentees do not contact the tutor, zero marks will be awarded

Text Book:

- GB Huang and JM Ng (eds), Data Structures and Algorithms, Pearson Education, 2007

Reference Book:

- Richard Johnsonbaugh and Marcus Schaefer, Algorithms, Prentice Hall, 2004. ISBN 0131228536
- Anany Levitin, Introduction to The Design and Analysis of Algorithms, 2nd ed., Addison Welsey, 2007.
ISBN 0-321-36413-9

