

# CSI 2114 (Spring 2006) Data Structures

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Email:	nayak@uottawa.ca
<b>Office Hours:</b> Thurs (13:00-15:00), Fri (13:30-14:30)	

### Course Web site

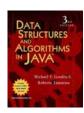
http://www.site.uottawa.ca/~anayak/CSI2114S06/

For slides, assignments, information ...

## Textbook

Michael Goodrich, Roberto Tamassia Data Structures and Algorithms in Java (3rd or 2<sup>nd</sup> ed.), Wiley, 2004 (2000)

available at (104.11 \$ +tax)



Available free on the website: Hints for the Exercises Animations

http://ww3.java3.datastructures.net

### Labs

What are they ? Why are they important ?

Lab Schedule:

Wednesday 12:30-14:30 STE 2060

# Assignments

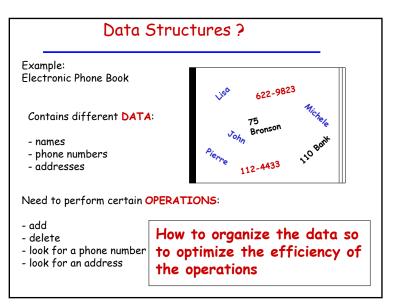
- 4 assignments

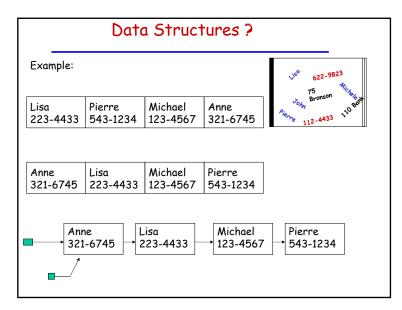
Each assignment will be composed by two parts:

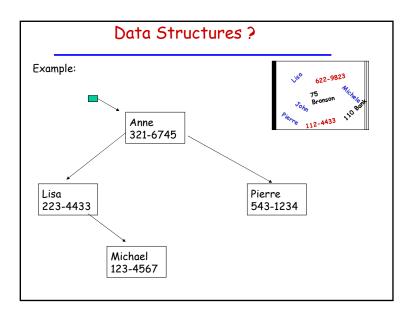
- theory questions
- programming exercises

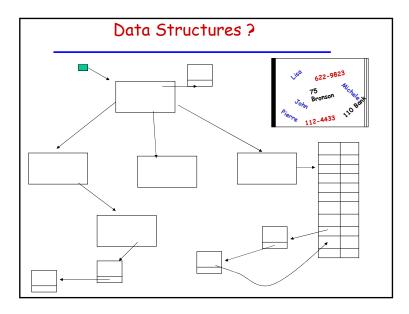
NOTE: Plagiarism will not be tolerated

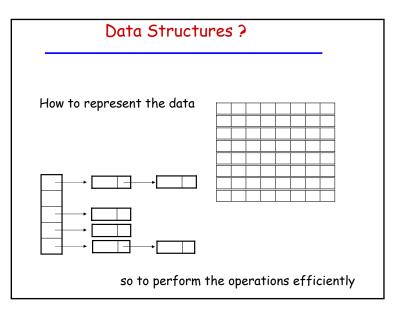
# EvaluationAssignments30 %Midterm exam<br/>(closed book, 2 hours)20 %Final exam<br/>(closed book, 3 hours)50 %To pass the course you must get<br/>in the average of the two exams











### Data Structures ?

Keep in mind the operations you need to perform

Choose the **best** structure for your data

Study different data structures

How to understand if a data structure is good

# Objectives of the course

Present in a systematic fashion the most commonly used data structures, emphasizing their abstract properties.

Discuss typical algorithms that operate on each kind of data structure, and analyze their performance.

Compare different Data Structures for solving the same problem, and choose the best.

