

In the Lecture Series Introduction to Database Systems



**CS2102**



*Presented by Stéphane Bressan*

*Introduction to Database Systems*

Welcome!

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# CS2102 Aims, Objectives and Syllabus

In this module we learn the concepts and techniques for the design and programming of database applications with relational database management systems.

We learn design

We learn programming

## Teaching and Learning

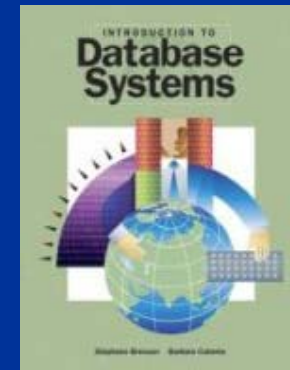
CS2102 follows conventional modes of learning, teaching and assessment: lectures, tutorials (some laboratories), online home assignments, group project, midterm test and final examination.

## Textbooks

- **Introduction to Database Systems**

S. Bressan, B. Catania,  
McGraw Hill

ISBN: 0071246509

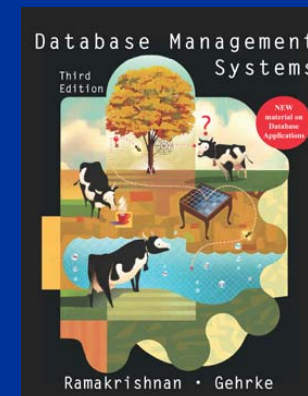


- **Database Management Systems**

R. Ramakrishnan, J. Gehrke Edition: 3e

McGraw Hill

ISBN: 0072465638



# ICT Tools for CS2102

- Integrated Virtual Learning Environment
  - Lesson Plan
  - Announcements (and Emails)
  - Forum (for all questions, answers and comments)
  - Project Tool
  - WorkBin
  - Grade Book
- Email (for personal matters)
- Recorded Webcast
- Online Videos and Lectures with Breeze
- Online Homework with Gradiance

## CS2102 Assessment

- a final exam (60%)
- a midterm test (20%)
- a project (10%)
- a series of online home assignments (10%)

# CS2102 Tutorials and Laboratories

- 9 tutorial sessions (2 hours each)
- 3 of them take place in the lab



## Online Homework with Gradiance

- To allow more flexibility, to help you manage your time and effort, and to help you with your revisions, we use the Gradiance system for online Homework and Laboratories  
(<http://www.newgradiance.com/cguw> )
- DO NOT REGISTER YET

# Project

- The objective of the project is to apply the concepts and techniques learned in class for the design and programming of a database application.
- Deliverables
  - A brief report
  - A demonstration of your software
- Teams of 5 students no restriction on tutorial membership and option
- No constraint on team membership



*Success*

A close-up photograph of a computer keyboard. The central focus is a single, light-colored key with the word "Success" printed on it in a black, serif font. The key is slightly raised and has a rectangular shape with rounded edges. Surrounding this key are other keys, which are out of focus and appear in shades of blue and grey. The lighting is soft, creating a slight shadow on the right side of the "Success" key. The overall image has a cool, blue-toned aesthetic.