

**Overview**

Welcome to CSC343H Introduction to Databases.

This course consists of two lecture hours and one hour of tutorial each week; three assignments; a midterm; and a final exam.

**Topics**

Introduction to database management systems; The relational data model; Relational algebra; Querying and updating databases: the query language SQL; Application programming with SQL; Integrity constraints, normal forms, and database design; XML data, XML schemas and XML query languages.

**Lecture Schedule**

Lectures: Tuesdays 1 - 3 p.m. Bahen Room 1180

Tutorials: Thursdays 1 - 2 (no tutorial first week - room assignments to be announced in class.)

**Instructor Information**

Professor: John Mylopoulos

Email: jm@cs.toronto.edu

Office: BA7266

Office hours: Tuesday, 11 a.m. - 12 noon

Sections: L0101, L2001

**Course Prerequisites**

(CSC 263H1 or 265H1 or (228H1 and 238H1) or 378H1) and (CGPA of 3.0 or enrolment in a CSC subject POST).

**Exclusion:** CSC434H1.

If you do not have the course prerequisites, please confer with your instructor to determine if you may remain in the class. Otherwise, you will be removed from the course.

**Textbook** *Database Management Systems, Third Edition*, R. Ramakrishnan and J. Gehrke, 2003.

You are responsible for reading the relevant sections of the text (which will be identified on the course website.)

**Schedule**

|                     |                                     |       |
|---------------------|-------------------------------------|-------|
| <b>Assignment 1</b> | Due: Tuesday, October 9, 1:00 p.m.  | (10%) |
| <b>Assignment 2</b> | Due: Monday, November 12, 1:00 p.m. | (15%) |
| <b>Assignment 3</b> | Due: Monday, December 3, 1:00 p.m.  | (15%) |
| <b>Midterm</b>      | Tuesday, October 30, 1:00 p.m.      | (25%) |

Assignment 2 is done using PostgreSQL, available on CDF machines.

**Assignments**

The due dates for each assignment will be as listed above, at 1pm. By that time, your assignment must be in the CSC343 drop box (*and* files electronically submitted for assignments 2 and 3), located in BA-2220. You can work in groups of two people for your homework; partners from the other section are allowed.

**Important:** a cover page will be provided for each assignment. Do not forget to fill it in properly, and attach it to your paper submission.

All homework must be **typed**. Handwritten assignments will **not** be marked. When you submit electronically, you have to use one of the following accepted formats: plain ASCII file, Postscript, or PDF.

**Late Homework**

Penalties for late homework: 10% for each day (1:01p.m. counts as one day late, and no more than 3 penalty days). If your assignment is late you must submit it electronically directly to your instructor.

**Remarking requests**

For all the assignments, and the midterm: once your assignments/midterm have been marked and distributed in class, you have one week to submit a written remarking request.

**Web Page**

The course web page can be found at:

<http://www.cs.toronto.edu/~faye/343/f07/>

Important information and announcements will be posted there. You are responsible for checking the web page regularly. (At least a few times a week.)

**Lecture Notes**

Lecture notes will usually be posted on the web page prior to lecture. This will give you the opportunity to print them off and annotate them as necessary (to reinforce your understanding of the material.)

**Newsgroup** - the bulletin board for this course can be found at <http://csc.cdf.toronto.edu/>

For this term, the bulletin board is for students only and will not be monitored. All important announcements will be posted on the course website. Remember to check it (the website) regularly.

**Email**

Do not expect the instructor to be always available by email. Responses may take 24 hours or more. If you are working on an assignment, try to ask any questions that you may have in advance **during office hours** (i.e., plan ahead). Questions emailed the night before an assignment is due may not receive a timely response. Email should be used only in cases of emergency, or when you have exhausted all other venues of investigation on your own.

If you must communicate via email, please follow these rules:

- Use your **UofT** email address.
- The **Subject** line must contain "csc343".
- Shorter messages get faster responses.
- If you send the instructor a program and ask "what is wrong with it?", do not expect a reply.
- No attachments, no HTML, no MIME encoding, no MS Word and **no hotmail!**  
See <http://www.expita.com/nomime.html> on why and how *not* to use HTML in email messages, and other email etiquette rules.

**Academic Offences**

All of the work you submit must be your own and your work must not be submitted by someone else. **Plagiarism is academic fraud** and is taken seriously. Please read the Rules and Regulations from the U of T Calendar (especially the Code of Behaviour on Academic Matters):

<http://www.artsandscience.utoronto.ca/ofr/calendar/rules.htm>

Please do not **cheat!** It is unpleasant for everyone involved, including us.

Here are a few general guidelines to help you avoid plagiarism:

- Do not use another team's partial or complete solution: to avoid problems, only discuss *general approaches* to assignment solutions with fellow students; and do not take notes during such discussions.
- Do not show your team's partial or complete solution to another team.
- Do not interfere with the operation of university computers, fellow students' files, accounts, or programs.

Other important plagiarism information may be found at:

<http://www.cs.toronto.edu/~fpitt/documents/plagiarism.html> and  
<http://www.cs.toronto.edu/~clarke/acoffences/>