

Overview

Welcome to CSC343H Introduction to Databases.

This course consists of two lecture hours and one hour of tutorial each week; four assignments; a midterm; and a final exam which will be given in the last lecture.

Topics

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

Lecture Schedule

Lectures:	Mondays	4 - 6 p.m.	Sandford Flemming	SF1105
Tutorials:	Wednesdays	4 - 5	TBD	no tutorial first week

Instructor Information

Professor: Renée Miller

Email: 343@cs.toronto.edu

Office: BA7270

Office hours: Monday 6 - 7 p.m. and Tuesday 5 - 6 p.m.

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

Assignment 1	Due: Tuesday, January 29, 6:15 p.m.	(15%)
Assignment 2	Due: Tuesday, February 12, 6:15 p.m.	(10%)
Assignment 3	Due: Tuesday, March 4, 6:15 p.m.	(10%)
Assignment 4	Due: Tuesday, March 21, 6:15 p.m.	(15%)
Midterm	Monday, February 25, 4:10 p.m.	(25%)
Final (In Class)	Monday, April 7, 4:00 p.m.	(25%)

Assignments

The due dates for each assignment are as listed above, at 6:15 p.m.. You may hand-in your assignment either in lecture on Monday, or in the first five minutes of the Tuesday lecture (in room BA1130). Anything submitted later than the first five minutes will be considered late and will not be accepted in class (see Late Homework). In addition to your paper submission, you must submit an electronic copy of each assignment by the due date and time. Only ASCII (text), Postscript or PDF file formats will be accepted electronically. Assignments that are handwritten or are in any other format are not acceptable.

You may partner with at most one other student (from either the Monday or Tuesday section) for each assignment. When you do so, only one copy of the assignment should be submitted.

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.

Late Homework

Penalties for late homework: 25% for each day (6:16 p.m. counts as one day late, and no more than 2 penalty days). If your assignment is late you must both submit it electronically and mail it 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/w08/>

Important information and announcements will be posted there. You are responsible for checking the web announcement 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://www.cs.toronto.edu/~faye/343/w08/cgi-bin/yabb/YaBB.cgi>

All important announcements will be posted on the course website – **NOT the bulletin board.**

Email

The instructor cannot always be 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!**

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/>