

## **CIS\*3530 Data Base Systems and Concepts**

Fall 2022

### **Instructor**

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### **Main Topics**

This course provides fundamental concepts and techniques of relational database systems. Topics include database models and modeling, relational database model and query languages, database design theory, transaction management, database recovery, and query optimization. Students will study skills for application analysis, conceptual database design, and implementation using a database management system (DBMS). There may be additional topics including the object-relational database model, and the Hadoop and MapReduce systems for Big Data.

### **Recommended Textbook:**

- R. Elmasri and S. Navathe, *Fundamentals of Database Systems (Seventh Edition)*, Pearson Education Inc, 2019.

### **Course Moodle Page URL**

<http://moodle.socs.uoguelph.ca/>

### **Assignments and Examinations**

- Five assignments:  $20\% \times 5 = 100\%$

### **Evaluation Schedule (due dates)**

- Assignment 1: Friday, October 7, 2022
- Assignment 2: Monday, October 24, 2022
- Assignment 3: Monday, November 7, 2022
- Assignment 4: Monday, November 21, 2022
- Assignment 5: Friday, December 2, 2022

## Lab Schedule

Thursday 7:00 PM - 8:50 PM, 9/29/2022 - 11/24/2022, MCLN, 102

						Sept 29	Y (A1)
Oct 6	Y (A1)	Oct 13	Y (A2)	Oct 20	Y (A2)	Oct 27	Y (A3)
Nov 3	Y (A3)	Nov 10	Y (A4)	Nov 17	Y (A4)	Nov 24	Y (A5)

**Y** – lab on the day; **N** – no lab on the day.

## Policies

### Policy on Late Assignment Submissions

- For each assignment, the submission box is closed at the cut-off time right after the due time. Assignments submitted into the box will be graded.
- An assignment that is not submitted into the submission box will not be graded, even if the time stamps of its files are not later than the due time.

### Policy on Re-Grading Assignments

- To request re-grading an assignment, you must email the request within ten calendar days after the grade is posted on Moodle. For example, if the grade is posted on November 1, you must request re-grading by November 11.
- Only an **unchanged** submission to Moodle by the due time can be re-graded. “Unchanged submission” means that no file is added/replaced and not a single character is changed in a file of the submission.
- To request re-grading an assignment, please email the TA who grades your assignment. If you are not satisfied with the re-grading result, please email the next TA on the TA list (circularly) to request the second re-grading. If you are still unsatisfied with the second re-grading result, please email your request to the instructor. The instructor may ask the third TA to re-grade the assignment. In short, email your first two re-grading requests to the TAs directly, NOT to the instructor. Email your third request to the instructor.

### Policy on Academic Considerations

- When you find yourself unable to meet an assignment due time because of an illness or compassionate reason, please email the instructor to request an academic consideration (including assignment extension, weight adjustment, etc.) **before** the due time, with your name, id#, and supporting documents (if applicable). See the undergraduate calendar for information on regulations and procedures for Academic Consideration.
- Academic considerations will not be granted for other reasons like heavy work loads or exams of other courses or working outside campus.

## Policy on Using Code from the Internet

- For the programming assignment, you are **not** allowed to use any code on the Internet, **Write your code for the assignments of this course.**

## Statements

- **Academic Misconduct**

All the assignments in this course are individual assignments. You must complete each assignment independently. All programming assignment submissions will go through **similarity checking**.

The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community faculty, staff, and students to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection.

Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it.

Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.

The Academic Misconduct Policy is detailed in the Undergraduate Calendar.

- **E-mail Communication**

As per university regulations, all students are required to check their <mail.uoguelph.ca> e-mail account regularly: e-mail is the official route of communication between the University and its students.

- **Accessibility**

The University promotes the full participation of students who experience disabilities in their academic programs. To that end, the provision of academic accommodation is a shared responsibility between the University and the student.

When accommodations are needed, the student is required to first register with Student Accessibility Services (SAS). Documentation to substantiate the existence of a disability is required, however, interim accommodations may be possible while that process is underway.

Accommodations are available for both permanent and temporary disabilities. It should be noted that common illnesses such as a cold or the flu do not constitute a disability.

Use of the SAS Exam Centre requires students to book their exams at least 7 days in advance, and not later than the 40th Class Day. More information: [www.uoguelph.casas/](http://www.uoguelph.casas/).