



University  
of Windsor

Comp-4150-1  
Advanced & Practical Database Systems  
**FALL 2024**  
**COURSE SYLLABUS**

**SCHOOL OF COMPUTER SCIENCE**

**LAND ACKNOWLEDGEMENT**

*The University of Windsor sits on the traditional territory of the Three Fires Confederacy of First Nations, which includes the Ojibwa, the Odawa, and the Potawatomi. We respect the longstanding relationships with First Nations people in this place in the 100-mile Windsor-Essex peninsula and the straits – les détroits – of Detroit*

**INSTRUCTOR:**

Dr. C. I. Ezeife

**E-mail:** cezeife@uwindsor.ca

**Office Location:** LT 5103; office phone: 519-253-3000 ext. 3012

**Office Hours:** Mons: 11:00 – 11:50am; Tues: 3:00-3:50pm;

Classes: Tues, Mon : 2:30pm – 5:20pm; Room : ER (1118) classroom on UWinsite.

If it becomes necessary to move any class online, to attend any possible online class, Log on to Brightspace LMS (learning management system).

<https://brightspace.uwindsor.ca/d2l/login>.

Then, click on Virtual classroom, and join Comp 3150 Class session for the day.

Note: Office hours will be held in-person in my office at LT office. The following link is for joining any MSTeams group for class or during my office hours if it becomes necessary to move meeting online to MSTeams:

<https://teams.microsoft.com/l/channel/19%3amkb6sY6vxsoerQvbmtFtqkZ7xIYJHNI%3aXij5YZmUOpXI1%40thread.tacv2/General?groupId=82e02717-c3c2-45ee-ac07-c416ec75e49f&tenantId=12f933b3-3d61-4b19-9a4d-689021de8cc9>

*Note: Only email originating from a valid University of Windsor student account will be accepted from students wishing to contact the instructor or use the Brightspace email tool within the course site. Please include your full name, student ID and related course section in your correspondence. Do not spam with multiple or lengthy emails. Should you not receive timely feedback to your inquiries reach out during office hours directly, or in the event of no response contact the CS office at [csinfo@uwindsor.ca](mailto:csinfo@uwindsor.ca) for support to access the instructor.*

**Never used Microsoft Teams before?**

Download the free MS-Teams client for your device and login using your UWindsor account (uwinsid). There are two ways to reach me, one using the direct chat to [Click or tap here to enter text](#). and another to our class group if you like to connect with your peers. It is a simple messenger type application allowing you to do chat, voice and video conferences with your prof and fellow students.

[Getting Started - Students | Information Technology Services \(uwindsor.ca\)](#)

**TEACHING  
ASSISTANT(S):**

Please refer to the Brightspace for the TA/GA contact information and updated office hours.

The teaching assistant(s) will be holding regular weekly office hours dedicated to help students. It is highly recommended that you take advantage of this resource by seeking interactive assistance towards understanding the course materials and guidance for completing course homework. Graders are also accessible to review your graded work and help make corrections or fix grading errors early during the term.

If you are facing difficulties in the course, please contact the instructor or the teaching assistant(s). You are expected to spend sufficient time to complete all the readings and the assigned work.

If you are not able to get hold of the teaching assistant(s) during their posted office hours, or do not get timely response from them please report the matter promptly to the course instructor with the situation details.  
If you identify an exceptional assistant who goes above and beyond, please inform the instructor and consider nominating the person for related university/faculty awards for their commitment.

The School of Computer Science provides free tutoring services for all Undergraduate Students  
[Home Page – CS Current CS Current Students \(uwindsor.ca\)](#)

**PRE-  
REQUISITES:**

**COMP-3150 and COMP-3300**

*No student is allowed to take a course more than two times without permission from the Dean.*

**LECTURES/LABS:**

Mons : 2:30pm – 5:20pm; Room : ERIE Classroom. More information above.

**COURSE  
DESCRIPTION\*:**

**COURSE OBJECTIVES**

This course covers both advanced theoretical database materials as well as specific database application development tools needed in the industry. The course completes database design and theory initiated in COMP-3150 and then adds database application development languages. Students will be exposed to the running environments (e.g., their compilers (e.g. Sqlplus)) and applying these on the database theory and design of the first part to develop full application. The goal is to learn tools for building a complete database application using a database management system (DBMS).

**COURSE CONTENT**

**Part A: DBMS components (Advanced)**

- Database design with normal forms, SQL DDL and DML (as in Comp 3150, Ch. 14)
- SQL Programming Techniques (Ch. 10 of book)
- Web Database Programming using PHP (Ch. 11)
- XML Extendible Markup Language (Ch. 13)
- Introduction to Transaction Processing (Ch. 20)
- Concurrency Control Techniques (Ch. 21)
- Database Recovery Techniques (Ch. 22)
- Introduction to NOSQL Systems (Ch. 24)
- Database Security and the DBA (Ch. 30)

**Part B: Oracle Database Development**

- Oracle PL/SQL

**Part C: Database Application Development (with a GUI front-end)**

- Using any of the techniques from parts A and B in a project with accessible front-end such as MS Access, PHP with MySQL, any other (eg. SQL developer with Oracle DBMS).

**LEARNING  
OUTCOMES:**

*\*This description is from the official senate-approved calendar*

(source: <https://ctl2.uwindsor.ca/cuma/public/courses/pdf/b8e5151e-246b-494c-a358-a8668a0e2d9a> )

**At the end of the course, the successful student will know and be able to:**

Click or tap here to enter text. **LEARNING OUTCOMES**

Students who successfully complete this course will be able to:

- § Design normalized databases for real life applications.
- § Create database schemas, instances, indexes, views with Oracle SQL DDL & DML and SQLplus.
- § Understand Concurrency control, Database Recovery, Transaction management, database administration.
- § Query and develop database applications with Oracle Database programming language PL/SQL.
- § Query and develop database applications with GUI based front-end.

**NOTE: By successfully completing this course, students would have progressed through much of the training needed to acquire some of the Oracle Certifications (SQL, SQLplus, PL/SQL, etc.) as well as covered database theories needed to start graduate studies specialization in database area. Consult the Oracle web site for details regarding certification if needed.**

Note: Students are strongly encouraged to be participating in the course development and update process. Please feel free to make recommendations for changes to the Learning Outcomes, Course Description, and Course Topics to the instructor or the program chair.

**REQUIRED  
TEXTBOOK:**

**Required Materials**

C.I Ezeife, *Course Notes for Comp-3150 (60-315)*, Database Management Systems, University of Windsor, Fall 2024/Winter 2025.

Elmasri, Ramez and Navathe, Shamkant (2016). *Fundamentals of Database Systems*, 7<sup>th</sup> edition, Pearson. Isb-13: 978-0-13-397077-7; isbn-10: 0-13-397077-9.

**Reference Materials:**

Catherine M. Ricardo; Susan D. Urban; Karen C. Davis. (2023). *Databases Illuminated*, 4<sup>th</sup> edition, ISBN:9781284231588; 682 pages.

Raghu Ramakrishnan/ Johannes Gehrke, *Database Management Systems*, third edition, WCB/McGraw-Hill, 2003.

Ullman & Widdom (2008). *First Course in Database Systems*, third edition, Pearson, isbn-10:013600637X; isbn-13: 9780136006374.

Online self study guide for homeworks and labs: The Gradiance web link (for Elmasri and Navathe Database book class):  
<http://infolab.stanford.edu/~ullman/pub/stud-guide.html>

- Campus Bookstore: <https://www.uwindsor.ca/bookstore/>
- Leddy Library: <https://leddy.uwindsor.ca/>

**COURSE  
EVALUATION:**

**COURSE EVALUATION**

Work	Mark (out of 100%)
Project phase 1 (due week 5: Oct. 7, 2024)	10%
Project phase 2(due week 9: Nov. 4, 2024)	10%
Project phase 3 (completed)(due week 11: Nov. 22, 2024 )	25%
Project presentation & report (due week 12: Nov. 25, 2024)	10%
Lab-like Exercises: DB design & SQL, PL/SQL and front-end tool (due weeks 4, 8 and 10: Sept. 30; Oct. 28; Nov.11, 2024)	15%
Class Test (due week 11: Nov.18, 2024)	30%

**COURSE  
SCHEDULE:**

**Topics\***

(The instructor reserves the right to change the outline to accommodate student pace and understanding of the subject matter.)

Students are urged to attend all given formal lectures with tentative schedule as:

**Lectures:**

Students are urged to attend all given formal lectures with tentative schedule as:

**Comp-4150 (60-415) TENTATIVE SCHEDULE (Fall 2024)**

Week	Activity
1 (Sep. 9)	Part A: Review of course outline, DBMS components – DB design and normal forms, SQL DDL & DML (as in Comp 3150)
2 (Sep. 16)	Advanced DBMS – Introduction to SQL Programming Techniques. Beginning of project design phase 1 (application requirements, table designs, extensive use of Sqlplus commands and SQL statements in implementing specific features of the database application) ((Chapter 10).
3 (Sep. 23)	Web Database Programming Using PHP (Chapter 11).
4 (Sep. 30)	XML: Extensible Markup Language (Chapter 13) (hand in Lab Ex 1 due Sep. 30)
5 (Oct. 7)	Part B: PL/SQL attributes, data types & variables. Use also Oracle PL/SQL by Example book. (hand in project phase 1 due Oct. 7) **
6 (Oct. 14)	<b>Thanksgiving day, Reading Week (Sat., Oct. 12 – Sun., Oct. 20, 2024; No Classes)</b>
7 (Oct. 21)	Part B: PL/SQL – data types & variables, program format, reading and displaying output. (begin of project phase 2 – implement nearly all components of the application using PL/SQL codes exploiting advanced features of the language)
8 (Oct. 28)	PL/SQL-variable initializations, use of Savepoint, conditional control, exception handling, cursors, procedures. PL/SQL –functions, package body, stored code, overloading modules, triggers, PL/SQL tables. (Part A and Part B to date); (hand in Lab Ex 2 due Oct. 28)
9 (Nov. 4)	Part A continues: Introduction to Transaction Processing, Concurrency Control Techniques, Database Recovery Techniques. (Chapters 20, 21, 22) (hand in project phase 2 due Nov. 4) **
10 (Nov.11)	Introduction to NOSQL Systems, Database Security and the DBA. (Chapters 24, 30) (hand in Lab Ex 3 due Nov. 11)
11 (Nov.18)	Part C: Learning to use a Front-end tool introduced already in Parts A and B to build a database application as a project. Tools used are: PhP with MySql, MS Access with a front-end language, building Java programs with JDBC connectivity, Sql Developer with Oracle DB, etc. Hand in project phase 2. (Class Test due Nov. 18) **
12 (Nov. 25)	Part C: Learning to use a Front-end tool introduced already in Parts A and B to build a database application as a project. Tools used are: PhP with MySql, MS Access with a front-end language, building Java programs with JDBC connectivity, Sql Developer with Oracle DB, etc. Hand in project phase 2. (hand in project phase 3 due Nov. 25) **
13 (Dec. 2)	Project demonstrations; project phase 3 involves implementing the complete database application with a front end (project presentation due Nov. 25 or Dec. 2) **

\*All schedules presented in this document are only tentative and subject to possible revisions in the course of the term. Any changes will be announced in class or will be posted on the course website.

\*\* in schedule means assignment is handed out and/or is due that week.

**\*Note:** Students are advised that the schedule and topics described above are tentative and that the material and/or depth and order of presentation are subject to change at the discretion of the instructor and student pace.

This course assumes the student will allocate a significant amount of independent study and time spent on reading and researching materials as needed. You are strongly encouraged to allow sufficient time needed to succeed in this course.

**ASSIGNMENT & EXAMINATION TENTATIVE SCHEDULE**

	Handed Out (Mondays)	Due Date (Mondays)
Lab Exercise 1 ( )	Sept. 16, 2024	Sept. 30, 2024
Lab Exercise 2 ( )	Sept. 30, 2024	Oct. 28, 2024
Lab Exercise 3 ( )	Oct. 7, 2024	Nov. 11, 2024
Project Phase 1 ( )	Sept. 16, 2024	Oct. 7, 2024
Project Phase 2 ( )	Sept. 30, 2024	Nov. 4, 2024
Project Phase 3 ( )	Oct. 7, 2024	Nov. 25, 2024
Project Presentation/Report	-----	Nov. 25, 2024

Midterm Test ( )	-----	Nov. 18, 2024 (In class)
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### Important Dates: Fall 2024 (<https://www.uwindsor.ca/registrar/events-listing>)

#### IMPORTANT DATES:

Thurs., Sept 5 – First Day of Fall 2024 classes  
 Wed., Sep. 18 – Last Day to Add/Drop courses  
 Thurs., Oct. 3 – Financial Drop Date  
 Sat. – Sun., Oct. 12-20 – Reading Week  
 Mon., Oct. 14 – Thanksgiving Day (no classes, University closed)  
 Wed., Nov. 13 – Last Day to Voluntarily Withdraw through regular drop method for Fall 2024 courses (Grad, UG)  
 Wed., Dec. 4 – Last day of Fall 2024 Classes  
 Sat. – Wed., Dec. 7 - 18 – Final Exams for Fall 2024 Courses  
 Thurs. Dec. 19 – Alternate Final Exams for Fall 2024 Courses  
 Mon. Dec. 23 – Wed. Jan. 1: Christmas Holidays (University closed)  
 Mon. Jan. 5, 2025 - first Day of Winter 2025 Classes

#### RESOURCES:

The course website is on <https://brightspace.uwindsor.ca/d2l/login> or directly through:  
<https://cezeife.myweb.cs.uwindsor.ca/courses/60-415/fallindex.html>.

Please check it frequently for announcements and other useful info.

#### GRADING:

A numeric grade on a scale of 0 to 100 will be assigned (rounded integer).

### CONVERSION OF MARKS (% marking scheme)

**Only raw % scores are assigned in course work and meaning of scores in transcripts are:**

% Score	Grade	% Score	Grade	Comments
90-100	A+	63-66.99	C	All grades below 50% are considered failures. (see <a href="https://www.uwindsor.ca/calendar">mark/grades descriptor page of calendar www.uwindsor.ca/calendar</a> for details).  The University of Windsor uses a percentage marking and grading scale
85-89.99	A	60-62.99	C-	
80-84.99	A-	57-59.99	D+	
77-79.99	B+	53-56.99	D	
73-76.99	B	50-52.99	D-	
70-72.99	B-	0-49.99	F	
67-69.99	C+			

### ASSIGNMENTS AND COURSE WORK

1. On the course project, students can work on project teams of not more than 2 persons in a team. Students can also work individually. Project teams have to be approved by the instructor within the first two weeks of classes and specific contributions and tasks completed by each team member, have to be clearly described with each completed project phase.
2. Note that the project presentation class is compulsory for all.

### Description of course project:

Each project team is required to develop a student information system or an E-Commerce database system with varying levels of advanced features using a front end tool that connects to a back-end database server such as SQL Developer with Oracle 11g or PHP with MySQL.

Phase 1: design a student information system/E-Commerce database system, the tables, the queries, the interfaces, the constraints, indexes, views, relating your design to components of the DBMS. Store your database using either Oracle Sqlplus, MySQL, MS Access, etc.

**Purpose of phase 1:** going through this project phase enables students learn use of DBMS and its components like SQL as well as Sqlplus statements in building real life application.

**Schedule of when this is done:** wks 2, 3, 4 (due in wk 5)

Phase 2: implement components of the application using PL/SQL codes exploiting advanced features of the language.

**Purpose of phase 2:** The goal of this project phase is to be familiar with database application development using PL/SQL Oracle database language.

**Schedule of when this is done:** wks 5, 6, 7, 8 (due in wk 9).

Phase 3: putting it all together; which involves implementing the database application using SQL, PL/SQL, a front-end exploiting advanced features.

**Purpose of phase 3:** This project phase allows learning database application development with a front-end.

**Schedule of when this is done:** wks 9, 10, 11, 12, 13 (due in wk 12).

**Note that the lab exercises give credit for learning to complete phases of the project.**

1. Completed report must be handed in early by deadline. Late reports will not normally be accepted.
2. All reports must be neatly done. Report should include a title page clearly marked on the outside with students' names, student numbers, course and instructor's name.
3. No make-up tests will generally be given for missed tests. Proven cases of emergency when presented may cause the weight of missed test to be added to the final exam.
4. All parts of the course must be done to obtain a final grade in the course.

### **ASSIGNMENTS AND COURSE WORK CONTINUES**

5. Completed individual assignments must be handed in electronically on the day and time on which they are due by all students individually. It is not a single submission for your group. Thus, be part of the work and submit your project or lose marks.
6. All assignments should be handed in electronically **through brightspace**, <https://brightspace.uwindsor.ca>.
7. **Online assignment and test submissions require that students submit individual files in accepted formats (.pdf, .doc, .txt, .jpeg) and not in any other needing-to-convert or packaged file format (such as .zip or .rar) or marks may be lost.**
8. Late assignments will not normally be accepted.
9. No make-up tests will be given for missed tests. If a test is missed for medical reasons (valid Student Medical Certificate completed by a physician shown), the weight of the student's final examination is increased by the weight of the missed test.
10. **Final Test or examination must be taken to obtain a final score in the course. If a final exam is missed for valid medical or emergency reason (proof needed), student is allowed to write a makeup final exam in the first week of the following term, for all students who missed final exam.**



11. After final examination marks and all course marks are converted into a final exam score, only students who completed all course work (including class participation marks) may be rounded up to the next grade level if their total mark falls short by less than 1%. Thus, there are other prices for completing all course work other than learning the materials and the necessary skills to handle higher level courses and be prepared for jobs.
12. The following confidentiality agreement and statement of honesty will need to be signed by students for all handed-in course work to discourage and prevent academic dishonesty and cheating. Note that if two assignments are found to be a copy of each other, a mark of 0 will be assigned to both assignments.

### **CONFIDENTIALITY AGREEMENT & STATEMENT OF HONESTY**

**I confirm that I will keep the content of this assignment/examination confidential.**

**I confirm that I have not received any unauthorized assistance in preparing for or doing this assignment/examination. I confirm knowing that a mark of 0 may be assigned for copied work.**

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Student Name (please print)

\_\_\_\_\_  
Student I.D. Number

\_\_\_\_\_  
Date

### **Preparation for lectures (VERY IMPORTANT)**

1. **Attendance at all lectures is highly recommended.** Students should **read the course text and notes ahead of lectures.** A detailed schedule is given on this document. Lectures are not substitutes for student reading. **Students who do not read ahead may find themselves lost in the lectures.**
2. **Individual Assignments:** Students should attempt to complete individual assignments by the suggested completion dates. This will help you prepare for materials to be covered in subsequent lectures, and for tests.
3. **Time Required for Course Work:** Students should set aside a total of about 10 hours weekly for work related to this course. This enables them devote 3 hours to lecture material preparation, 3 hours to attending lectures, and 3 to 4 hours for working towards completing individual assignments and tests.
4. **Course Brightspace / Web Page:** Answers for individual assignments, lab exercises and tests will be made available only on the Brightspace page (not web page) so that students can revise concepts that were misunderstood, and assess their own progress. Students' marks are also posted on this page and students should keep track of their marks and report any discrepancies.
5. **Computing Resources Available for Course Work:** Computing laboratories will be available from the second week of the semester onwards. The CS laboratories are located on the third floor of Lambton Tower and Erie Hall (called Java lab (ER 3150) and X-lab). The Leddy library, general IT services laboratories at the basement of the Computer Centre are also available to students. Students can also connect to campus machines (from their home PCs or laptop) to work online.

### **PENALTIES AND DISCIPLINARY ACTION FOR DEFICIENT TERM WORK**

While collaboration with course mates is encouraged for discussing class topics, students are expected to develop individual learning and research abilities in the area

and hand in assignments prepared individually by themselves. In other words, cheating is not allowed in this course.

### **Policies on Repeating Courses/ Classroom Evacuation**

1. Note that no student is allowed to take a course more than two times without permission from the Dean.
2. Check [www.uwindsor.ca/emergency](http://www.uwindsor.ca/emergency) and posted copy in class for Classroom evacuation instructions in case of emergency.

### **Policy on cheating**

The professors and teaching assistants will report any suspicion of cheating to the Director of the School of Computer Science and/or assign a mark of 0 for any submitted work that is copied or allowed to be copied by other students. If sufficient evidence is available, the Director will begin a formal process according to the University Senate Bylaws. The instructor will not negotiate with students who are accused of cheating but will pass all information to the Director of the School of Computer Science. The following behaviour will be regarded as cheating (together with other acts that would normally be regarded as cheating).

- 1) Copying assignments solutions from the web or other students,
- 2) Allowing another student to copy an assignment from you and present it as their own work,
- 3) Copying from another student during a test or exam,
- 4) Referring to notes, textbooks, etc. during a test or exam,
- 5) Talking during a test or an exam,
- 6) Not sitting at the pre-assigned seat during a test or exam,
- 7) Communicating with another student in any way during a test or exam,
- 8) Having access to the exam/test paper prior to the exam/test,
- 9) Asking a teaching assistant for the answer to a question during an exam/test,
- 10) Presenting another's work as your own,
- 11) Modifying answers after they have been marked,
- 12) Any other behavior which attempts unfairly to give you an advantage over other students in the grade-assessment process,
- 13) Refusing to obey the instructions of the officer in charge of an examination.

Several University of Windsor students have been caught cheating during the last few years. In most cases the evidence was sufficient to invoke a disciplinary process which resulted in various forms of punishment including letters of censure, loss of marks, failing grades, and expulsions. Do not cheat, if you are caught and found guilty, you could be thrown out of the university and will have to explain why when you go looking for a job.

### **Policy on Recording of Lectures:**

**Students are not generally allowed to record lectures in this class as all necessary recording or posting of lectures will be taken care of by the instructor. Below is the Senate policy on recording of lectures and use of any such posted recording by the instructor.**

Any recording of lectures or guest lecturer/classmate presentations by students can be used only for the purposes of private study by the individual student. The recording (including any transcriptions or any translation to any other form) cannot be shared, distributed, emailed, posted online or otherwise disseminated or communicated in any form or to any other person (including fellow classmates) unless written consent has first been obtained from the instructor or presenter.

### **Passing grade:**

A minimum grade of 50% is required to pass this course (70% for grad courses). Your individual program may have higher requirements to maintain good standing; please consult your program requirements and plan accordingly. If you are registered in a course and do not attend or participate or write any evaluations will be assigned a grade of NR (No report). You must withdraw from the course if you do not wish to attend it; not showing up does not constitute withdrawal and will impact your academic record.

### **Voluntary withdrawal (dropping the course):**

You may drop a course within the first 2 weeks add/drop period (1 week in case of 6-week courses) without it showing up on your academic record. Please check with the Registrar's office calendar on the important dates for withdrawing voluntarily from a course after the add/drop period should you feel you need to withdraw. It is strongly recommended that you seek academic advice from your instructor or an academic advisor prior to withdrawing from courses.

### **Absences due to medical or other extenuating circumstances:**

Medical leaves, illness, death (in the family), and other difficult circumstances as determined in bylaw 54 are at times unavoidable and would interrupt your academic career. You must report any issues to the instructor as soon as possible prior to considering any academic accommodations. The instructor reserves the right to determine if an



accommodation is merited and the nature of the accommodation related to the course evaluation. All requests for alternate considerations on medical grounds or other difficult matters must be made in writing (email) to the instructor along with supporting documents prior to the end of the course. No alternate accommodations will be considered after the end of the course.

***Makeup and missed assessment policy:***

If you miss a test, assignment or other assessment in the course you will receive a zero mark for the missed work. If you wish to have alternate considerations due to a valid reason (as per senate bylaw 54) you must inform the instructor in writing (email) as soon as possible, preferably before the assessment, and not later than seven calendar days. Considerations for any make-up or late submissions will be done on a case-by-case basis on compassionate grounds while maintaining fairness as much as possible. No alternate considerations will be given to any missed assessment if the instructor is not informed within seven calendar days after its due date. The instructor will refuse any unsubstantiated and late requests.

***Grade appeal:***

Informal reviews and appeals of the marks for assignments, midterm, exams and/or projects will be considered only if requested within 10 days after the release of the corresponding grades. After the 10-day period students will have to submit a formal appeal if they wish within 6 weeks. See Senate Bylaws 54 (Undergraduate Students) and Senate Bylaws 55 (Graduate Students) for more details on appealing about grades.

***Other Notes:***

- 1.A. Undergraduate Students: (Please review Bylaw 54) The last seven calendar days prior to, and including, the last day of classes are free from any procedures for which a mark will be assigned. (Extensions on compassionate grounds are excluded). (In the case six weeks courses, the last three calendar days before the start of the examination period are free from any assessment procedures).
- 1.B. Unannounced quizzes/graded activities will not exceed 5% of the final grade.
- 1.C. Participation marks in online courses will not exceed 20% of the final grade.
2. The final exam schedule is announced by the Registrar's office, normally after the add/drop period, and students are expected to be available for the entire exam period and not make any prior travel plans, vacations, or other commitments until after the exam dates are announced. No alternate exams accommodations will be made on those grounds.
3. No forms of assessment shall be scheduled or made-due on days identified as break days such as reading weeks, holidays, or days that the University is officially closed.

**SPTs:**

The Student Perceptions of Teaching (SPTs) forms will be administered in the last two weeks of classes for courses 12-24 weeks in duration, in the last week of classes for courses 6-11 weeks in duration, or in the last two days of classes for courses of 5 or fewer weeks in duration. Students should be provided with up to 15 minutes at the beginning of a class to complete the SPTs online. [Senate Policy.](#)

**SUPPORT  
CONTACTS:**

The School of Computer Science has a team of support staff and access to student academic advisors to assist you through any inquiries you may have about our courses and programs. Please use one of the following emails:  
For CompSci undergraduate programs and advising, including IT certificate: [csinfo@uwindsor.ca](mailto:csinfo@uwindsor.ca)  
For CS Tutors (free tutoring support for all CS undergrad courses): <http://tutor.cs.uwindsor.ca/>  
For Computer Science Society: <https://css.uwindsor.ca/>  
For CompSci graduate programs (MSc, MSc-AI stream, and PhD): [csgradinfo@uwindsor.ca](mailto:csgradinfo@uwindsor.ca)  
For CompSci professional graduate programs (MAC/MAC-AI stream): [macprogram@uwindsor.ca](mailto:macprogram@uwindsor.ca)  
For the office of the Director of the School of Computer Science: [csdir@uwindsor.ca](mailto:csdir@uwindsor.ca)  
For CompSci technical support: <https://help.cs.uwindsor.ca/>  
For International Student Centre: <https://www.uwindsor.ca/international-student-centre/>  
For Student Accessibility Services: <https://www.uwindsor.ca/studentaccessibility/>  
For other general inquiries: <https://ask.uwindsor.ca/>  
For student counselling services (ext. 4616): <https://www.uwindsor.ca/studentcounselling/>  
For student health services (ext. 7002): <https://www.uwindsor.ca/studenthealthservices/>  
For student Peer Support Centre (ext. 4551): <https://www.uwindsor.ca/studentexperience/wellness/>  
For USci Faculty of Science student support network: <https://www.uwindsor.ca/science/usci/>

***Need help?***

*My Student Support Program (MySSP) is an immediate and fully confidential 24/7 mental health support that can be accessed for free through chat, online, and telephone. This service is available to all University of Windsor students and offered in over 30 languages.  
Call: 1-844-451-9700, or visit <https://myissp.com/>*

**Good2Talk** provides free, 24/7 single-session professional counselling and referral by phone to post-secondary students in Ontario. Services are provided in English and French, with translation services available in 100+ languages.

- Call: 1-866-925-5454 (reach professional counsellors)
- Text: GOOD2TALKON to 686868 (reach trained volunteers)

**Wellness Together Canada** provides free, 24/7 professional mental health and substance use counselling by phone to anyone in Canada and Canadians abroad. Service is provided in English and French, with translation services available by request.

- Call: 1-866-585-0445 (reach professional counsellors)
- Text: WELLNESS to 686868 (reach trained volunteers)

**STUDENT  
ACCOMMODATIONS:**

***Students with disability:***

Students who require academic accommodations in this course due to a documented disability must contact an Advisor in Student Accessibility Services (SAS) to complete SAS Registration and receive the necessary Letters of Accommodation. After registering with SAS, you must present your Letter of Accommodation and discuss your needs with the course instructor as early in the term as possible. Please note that deadlines for the submission of documentation and completed forms to SAS are available on their website:

- <http://www.uwindsor.ca/studentaccessibility/>

***Exam conflicts:***

If you have a conflict with two exams at the same time, you will need to talk to both instructors and ask which one is willing to move your exam to a different day or time.

If you have a conflict with examinations due to the following reasons, view the [Office of Registrar Alternative Final Exam Policy](#):

- Conflict with religious conviction during the regularly scheduled time slot.
- Three or more final examinations in a 24-hour period.

***Religious Observances:***

Requests for accommodation of specific religious or spiritual observance must be presented to the instructor no later than 2 weeks prior to the conflict in question (in the case of final examinations within two weeks of the release of the examination schedule). In extenuating circumstances, this deadline may be extended. If the dates are not known well in advance because they are linked to other conditions, requests should be submitted as soon as possible in advance of the required observance. Timely requests will prevent difficulties in arranging constructive accommodations. [religious accommodation for students.01mar2013.web ver.pdf \(uwindsor.ca\)](#)

**PRIVACY AND  
COPYRIGHTS:**

***Content confidentiality:***

Lectures, examinations, quizzes, assignments, and projects given in this course are protected by copyright. Reproduction or dissemination of examinations or the contents or format of examinations/quizzes in any manner whatsoever (e.g., sharing content with other students or websites), without the express permission of the instructor, is strictly prohibited. Students who violate this rule or engage in any other form of academic dishonesty will be subject to disciplinary action under [Senate Bylaw 31](#): Student Affairs and Integrity.

***Recording of lectures:***

Lectures and discussions can be recorded by requesting explicit permission from the instructor. Students planning to do so shall send a request (via email is sufficient) before the lecture is delivered. Students, however, are not allowed to post or share any recorded material to any other individual or party outside of this course.

See [Senate Policy on recording lectures](#).

**SAFETY,  
ACADEMIC  
INTEGRITY, AND  
NON-ACADEMIC  
MISCONDUCT:**

***Equity, Diversity, and Inclusiveness (EDI)***

This course, along with all its components such as lab sections are, without question, safe places for students of all races, genders, sexes, ages, sexual orientations, religions, disabilities, and socioeconomic statuses. Disrespectful attitude, sarcastic comments, offensive language, or language that could be translated as offensive and/or marginalize anyone are absolutely unacceptable. Immediate actions will be taken by the instructor to protect the safety and comfort of the students. An ethnically rich and diverse multi-cultural world should be celebrated in the classroom. The instructor, too, must treat every student equally and with the respect and compassion that all students deserve. Furthermore, UWindsor is committed to combatting sexual misconduct. All members are required to report any

instances of sexual misconduct, including harassment and sexual violence, to the [Sexual Misconduct Response & Prevention Office](#) so that the victim may be provided appropriate resources and support options.

- <https://www.uwindsor.ca/sexual-assault/>
- For police/ambulance emergency call 911 (in Canada)
- For campus police call 519-253-3000 ext. 4444 for emergency, and 1234 for non-emergency issues.

### **Academic Integrity**

Please refer to: <https://www.uwindsor.ca/academic-integrity/>

As defined in the University of Windsor's [Student Code of Conduct](#), plagiarism is the act of copying, reproducing or paraphrasing significant portions of one's own work, or someone else's published or unpublished material (from any source, including the internet), without proper acknowledgement, representing these as new or as one's own.

Tips and resources to help you prevent plagiarism:

[https://www.uwindsor.ca/academic-integrity/sites/uwindsor.ca/academic-integrity/files/tips\\_for\\_preventing\\_plagiarism.pdf](https://www.uwindsor.ca/academic-integrity/sites/uwindsor.ca/academic-integrity/files/tips_for_preventing_plagiarism.pdf)

The instructor will put a great deal of effort into helping students to understand and learn the material in the course. However, the instructor will not tolerate any form of cheating. The instructor will report any suspicion of academic integrity to the Director of the School of Computer Science. If sufficient evidence is available, the Director will begin a formal process according to the University Senate Bylaws which will lead to more review, a strict punishment if convicted, and a note on your permanent student record.

The following behaviours will be regarded as cheating:

- *Copying assignments or quizzes or presenting someone else's work as your own.*
- *Allowing another student to copy an assignment/project from you and present it as their own work; protect your own work and never share it with anyone!*
- *Copying from another student or any other unauthorized source during a test or exam.*
- *Falsifying your identity during the exam or having someone else assist or complete your assessment.*
- *Referring to notes, textbooks, and any unauthorized sources during a test or exam (unless otherwise stated).*
- *Speaking or communicating without permission during a test or exam.*
- *Not sitting at the pre-assigned seat during a test or exam.*
- *Communicating with another student in any way during a test or exam.*
- *Having unauthorized access to the exam/test paper prior to the exam/test.*
- *Explicitly asking a proctor for the answer to a question during an exam/test.*
- *Modifying answers after they have been marked.*
- *Any other behaviour which attempts unfairly to give you some advantage over other students during the grade-assessment process.*
- *Refusing to obey the instructions of the officer in charge of an examination.*

The list given above is not exhaustive. More examples are given in Appendix A, [Senate Bylaws 31](#) – Complete guidelines and procedures on the sanctions imposed by the university are also listed in Table A.1 of the [Senate Bylaws 31](#)

*In this course any assessment that is deemed plagiarized or in violation of the academic integrity policy will NOT BE GRADED and receive a grade of ZERO unless a different ruling is provided by the adjudication committee formally reviewing the case.*

Examples of sanctioning include: (from Table A.1 in Appendix A of Bylaw 31)

*For first offence: mark reduction up to zero, censure 6-12 months; and for subsequent offence: suspension 4-24 months, censure up until graduation.*

### **Plagiarism detection software:**

Plagiarism-detection software *SafeAssign* may be used for all student assignments in this course. You will be advised how to submit your assignments. Note that students' assignments that are submitted to the plagiarism-detection software become part of the institutional database. This assists in protecting your intellectual property. However, you also have the right to request that your assignment(s) not be run through the student assignments database. If you choose to do so, that request must be communicated to the course instructor in writing at the beginning of the course. The instructor reserves the right to choose another plagiarism detection software and students would be notified of this once it is put in use.