

[Send To Printer](#) | [Close Window](#)**CS4478Y****Western University  
London, Canada  
Department of Computer Science**

# **COMPUTER SCIENCE 4478y -- IBM Z Xplore (Formerly Master The Mainframe) --**

**Fall 2022**

## **COURSE OUTLINE**

### **1. Course Information**

#### **Course Information**

The mainframe remains a critical piece of infrastructure for enterprise computing, with experts highly sought after by industry. This course studies the mainframe through IBM's annual IBM Z Xplore program (Formerly Master the Mainframe) program. Students are exposed to real-world development through hands-on projects, gaining valuable experience and skills for working with modern mainframe systems. This course is completely online and self-directed. The course is offered to university students across North America by IBM.

#### **List of Prerequisites:**

**CS3307a/b/y**

Unless you have either the prerequisites for this course or written special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

### **2. Instructor Information**

<b>Instructor</b>	<b>Email</b>	<b>Office</b>	<b>Phone</b>	<b>Office Hours</b>
				Mondays 1pm-2pm
Laura Reid	lreid2@uwo.ca	MC416	86905	Wednesday 10am-11am
				Other times available by email appointment

Students must use their Western (@uwo.ca) email addresses when contacting the instructor. Please put CS4478 in the subject header.

### 3. Course Description

This course is entirely self-directed. The course is designed as a series of levels. Each level has several challenges that must be completed. In order to pass the course the student must complete ALL the challenges in the Fundamentals, Concepts and Advanced Levels. The levels give the student a small taste of several different operating systems, tools and languages such as JCL, COBOL, Python, PHP, Linux, Time Sharing Terminals, DB2, IBM's concepts of files, etc.

#### Learning Outcomes:

Once a student has completed this course, they should be able to:

- Write simple Python, COBOL, DB2 and PHP snippets of code
- Navigate and run programs in a Linux Operating System
- Install a time sharing terminal
- Create, update and delete IBM data sets and data members

### 4. Course Materials

Students are responsible for checking the course OWL site (<http://owl.uwo.ca>) on a regular basis for news and updates. This is the primary method by which information will be disseminated to all students in the class.

All course material will be posted to OWL: <http://owl.uwo.ca>. Use Owl>Student Guide to get to IBM's link to the course material.

If students need assistance with the course OWL site, they can seek support on the OWL Help page.

Alternatively, they can contact the Western Technology Services Helpdesk. They can be contacted by phone at 519-661-3800 or ext. 83800.

### 5. Method of Evaluations

This course has no final exam. The instructor will get a weekly email from IBM of each student's progress. In order to pass the course you MUST complete all the challenges in ALL of the following levels: Fundamentals, Concepts and Advanced. If you complete all the challenges in those levels you will receive an 85% in the course. In order to receive an additional 5% in the course, you must also complete ALL the challenges in the Extended Level. In order to receive an additional 10% in the course, you must also complete the student challenge for this year. Once you have completed all the challenges in a level, go to Owl>Assignments and submit the assignment for the level. Then the instructor will double check with the weekly reports from IBM to make sure you have completed all the challenges in the level of the assignment that was submitted.

Level	Grade	Notes	Grade
Fundamentals	Pass/Fail	In order to pass this level, you must complete ALL the challenges. If you miss any challenges at this level you will NOT pass this course. Try to get challenges done early (ASAP!) but	85% (if you complete all the challenges in the Fundamentals, Concepts and Advanced levels you will receive 85% for this course, if

		everything MUST be completed by Wednesday, March 1, 2023	you miss ANY challenge, you will receive 0 for this course)
Concepts	Pass/Fail	In order to pass this level, you must complete ALL the challenges. If you miss any challenges at this level you will NOT pass this course. Try to get challenges done early (ASAP!) but everything MUST be completed by Wednesday, March 8, 2023	
Advanced	Pass/Fail	In order to pass this level, you must complete ALL the challenges. If you miss any challenges at this level you will NOT pass this course. Try to get challenges done early (ASAP!) but everything MUST be completed by Wednesday, March 15, 2023	
Extended	Pass/Fail	Try to get challenges done early (ASAP!) but everything MUST be completed by Wednesday, March 22, 2023	5 % (If you complete ALL the challenges in the Extended level, you will get 5% added on to your 85%)
Student Challenge	Pass/Fail	Try to get challenges done early (ASAP!) but everything MUST be completed by Wednesday, March 29, 2023	10% (if you complete the Student Challenge for this year, you will get 10% added on to your 85%)

## 6. Student Absences

This is a self directed course. The Fundamentals, Concepts and Advanced Levels MUST be completed to pass this course. All are due in March but it is STRONGLY advised that you complete them before March. If any of those levels are not completed by the due dates, you must provide valid medical or supporting documentation to the Academic Counselling Office of your Faculty of Registration as soon as possible. For further information, please consult the University's medical illness policy at [https://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/accommodation\\_medical.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_medical.pdf). The Student Medical Certificate is available at [https://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/medicalform.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf).

## 7. Accommodation and Accessibility

### Religious Accommodation

When a course requirement conflicts with a religious holiday that requires an absence from the University or prohibits certain activities, students should request accommodation for their absence in writing at least two weeks prior to the holiday to the course instructor and/or the Academic Counselling office of their Faculty of Registration. Please consult University's list of recognized religious holidays (updated annually) at <https://multiculturalcalendar.com/ecal/index.php?s=c-univwo>.

### Accommodation Policies

Students with disabilities are encouraged to contact Accessible Education, which provides recommendations for accommodation based on medical documentation or psychological and cognitive testing. The policy on Academic Accommodation for Students with Disabilities can be found at: [https://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/Academic\\_Accommodation\\_disabilities.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic_Accommodation_disabilities.pdf).

## 8. Academic Policies

The website for Registrarial Services is <http://www.registrar.uwo.ca>.

In accordance with policy, [https://www.uwo.ca/univsec/pdf/policies\\_procedures/section1/mapp113.pdf](https://www.uwo.ca/univsec/pdf/policies_procedures/section1/mapp113.pdf), the centrally administered e-mail account provided to students will be considered the individual's official university e-mail address. It is the responsibility of the account holder to ensure that e-mail received from the University at their official university address is attended to in a timely manner.

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site: [https://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/scholastic\\_discipline\\_undergrad.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf).

## 9. Support Services

Please visit the Science & Basic Medical Sciences Academic Counselling webpage for information on adding/dropping courses, academic considerations for absences, appeals, exam conflicts, and many other academic related matters: <https://www.uwo.ca/sci/counselling/>.

Students who are in emotional/mental distress should refer to Mental Health@Western (<https://uwo.ca/health/>) for a complete list of options about how to obtain help.

Western is committed to reducing incidents of gender-based and sexual violence and providing compassionate support to anyone who has gone through these traumatic events. If you have experienced sexual or gender-based violence (either recently or in the past), you will find information about support services for survivors, including emergency contacts at [https://www.uwo.ca/health/student\\_support/survivor\\_support/get-help.html](https://www.uwo.ca/health/student_support/survivor_support/get-help.html). To connect with a case manager or set up an appointment, please contact [support@uwo.ca](mailto:support@uwo.ca).

Please contact the course instructor if you require lecture or printed material in an alternate format or if any other arrangements can make this course more accessible to you. You may also wish to contact Accessible Education at [http://academicsupport.uwo.ca/accessible\\_education/index.html](http://academicsupport.uwo.ca/accessible_education/index.html) if you have any questions regarding accommodations.

Learning-skills counsellors at the Student Development Centre (<https://learning.uwo.ca>) are ready to help you improve your learning skills. They offer presentations on strategies for improving time management, multiple-choice exam preparation/writing, textbook reading, and more. Individual support is offered throughout the Fall/Winter terms in the drop-in Learning Help Centre, and year-round through individual counselling.

Western University is committed to a thriving campus as we deliver our courses in the mixed model of both virtual and face-to-face formats. We encourage you to check out the Digital Student Experience website to manage your academics and well-being: <https://www.uwo.ca/se/digital/>.

Additional student-run support services are offered by the USC, <https://westernusc.ca/services/>.