. We encourage you to check out the Digital Student Experience

website to manage your academics and well-being. Additionally, the following link provides available resources to support students on and off campus: https://www.uwo.ca/health/.

Stable internet connection	Laptop or computer
Working microphone	Working webcam

January 10	February 19 - 27	April 8	April 9	April 10 - 30

- Reinforcement Learning (CS 9670/9671/9170), Winter 2022
- Videos will be of lectures and programming demonstrations.
- sometimes. The pandemic situation sometimes changes swiftly, and maybe asynchronous works better.

Probability, linear algebra, expectation, partial derivatives (e.g. for gradient descent), search.

If you do not know Python, you must be aware that you will spend extra time learning this (very beginner-friendly) language as all programming assignments are in Python.

Unless you have either the requisites for this course or written special permission from your Dean to

1	Jan 11, 13	Problem definition and key properties, the bandit problem.	Chapter 1, Chapter 2	
2	Jan 18, 20	Markov Decision Processes	3.1 - 3.5	
3	Jan 25, 27	Value Functions and Bellman Equations, Planning Via Dynamic Programming	3.6 - 3.7 Chapter 4	
4	Feb 1, 3	Sample-Based Learning, Temporal Difference Learning	5.1 - 5.4 6.1 - 6.3	
5	Feb 8, 10	Temporal Difference Learning, SARSA, Q-Learning	6.4 - 6.7	
6	Feb 15, 17	MIDTERM		The 15th will be an optional study period where I answer questions
6	Feb 19-27	READING W		

Students should check OWL (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. Students are responsible for checking OWL on a regular basis.

All course material will be posted to OWL: http://owl.uwo.ca. Any changes will be indicated on the OWL site and discussed with the class.

If students need assistance, 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.

Google Chrome or Mozilla Firefox are the preferred browsers to optimally use OWL; update your browsers frequently. Students interested in evaluating their internet speed, please click here.

The overall course grade will be calculated as listed below:

Programming Assignments	55%
Written Assignments	25%
Midterm Exam	20%

NOTE: NO FINAL EXAM

Late assessments without illness self-reports will be subject to a late penalty 5%/day

Late assessments with illness self-reports should be submitted within 24 hours of submission of the last illness self-report

An assessment cannot be submitted after it has been returned to the class; an alternate assessment will be assigned.

A make-up test will be offered

If a make-up assessment is missed, the student will receive an INC and complete the task the next time the course is offered

If permission to waive the requirement that students receive evaluation on work totaling 15% of their final grade at least three days prior to the deadline for withdrawal without academic penalty has been obtained from the Deanîs Office, a statement to this effect must be made.

Across the Sciences Undergraduate Education programs, we strive to maintain high standards that reflect the effort that both students and faculty put into the teaching and learning experience during this course. All students will be treated equally and evaluated based only on their actual achievement. ***Final grades*** on this course, irrespective of the number of decimal places used in marking individual assignments and tests, will be calculated to one decimal place and rounded to the nearest integer, e.g., 74.4 becomes 74, and 74.5 becomes 75. Marks WILL NOT be bumped to the next grade or GPA, e.g. a 79 will NOT be bumped up to an 80, an 84 WILL NOT be bumped up to an 85, etc. The mark attained is the mark you achieved, and the mark assigned; requests for mark ñbumpingò will be denied.

this course is offered. The maximum course load for that term will be reduced by the credit of the course(s) for which the final examination has been deferred. See Academic Calendar for details (under Special Examinations).

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

In accordance with policy, http://www.uwo.ca/its/identit