

THE UNIVERSITY OF WESTERN ONTARIO  
DEPARTMENT OF MATHEMATICS

**Mathematics 1228**  
**Methods of Finite Mathematics**

Summer 2022

**INSTRUCTORS:**

A. O'Hara – aohara@uwo.ca

**TEXTBOOK:**

A (required) custom textbook is posted (free) on the course OWL site. Note: it is not an e-book, just pdf files.

**PREREQUISITES:**

One or more of Ontario Secondary School MCV4U, MHF4U, MDM4U, Mathematics 0110A/B, 1225A/B, 1229A/B.

**ANTIREQUISITES:**

Mathematics 2124A/B, 2155F/G, Statistical Sciences 2035, 2141A/B, 2857A/B.

Unless you have either the requisites 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.

**COURSE OUTLINE:**

Topics covered include techniques of counting, probability, discrete and continuous random variables. Students are expected to demonstrate an understanding of these concepts and an ability to apply them in solving a variety of problems.

**FORMAT:**

This is intended to be an online, asynchronously presented course. The material will be presented in video lectures, so students should make every effort to stay up to date with the posted material.

**COURSE WEB SITE:**

The video lectures will be made available through the course OWL site. Various other useful supplemental materials, such as required extra homework problems, practice tests, and solutions to the homework exercises, are posted on OWL. As well, the Online Quizzes (a grade component) are in the OWL site.

**WHAT IS EXPECTED OF THE STUDENT?**

Students should make a serious effort to understand all course material and do all the assigned homework. The student must assume responsibility for staying up to date with course content and for being aware of posted deadlines. It is up to the student to seek out help when needed. The student is responsible for being aware of all relevant information posted on the OWL web site.

**Please contact your course instructor if you require material in an alternate format or if any other arrangements can make this course more accessible to you. You may also wish to contact Services for Students with Disabilities (SSD) at 661-2111 x82147 for any specific question regarding an accommodation.**

**Note:** Any email sent to an instructor (and especially to the course coordinator) **MUST say Math 1228 in the subject line.** Any email without this, and/or any email sent from other than a UWO email address, may be deleted unread.

**EVALUATION OF STUDENT PERFORMANCE:**

Students will be assessed on the basis of Online Quizzes, 2 Term Tests, and a Final Exam.

- The quizzes are completed in OWL. See the Quiz Schedule and Quiz Information documents posted on the Course Information page on the course site in OWL.
- The 2 Term Tests are each 90 minutes in length. Test 1 will cover Chapter 1 of the textbook, while Test 2 will cover

(only) Chapter 2 (but Chapter 1 material comes up in the context of Chapter 2). The days and times (EDT) of the tests will be announced once they are finalized.

- The Final Exam, 3 hours in length and covering all course material, will be scheduled by the Registrar's Office during the Summer Exam Period.
- Tests and examinations in this course will be run online through ProctorTrack and OWL. They will consist of multiple choice questions, similar to those found on past term tests.

### **Calculation of Final Grade:**

Each Term Test will count for 20%, the student's best 5 of the 6 Online Quizzes will each count for 2%, for a total of 10% and the Final Exam will count for 40%. The remaining 10% weight will be assigned to whichever of the 3 tests/exams is the student's best mark.

### **Notes:**

1. **NO calculators or other electronic devices or any other aids are allowed on tests and exams.**
2. See Absence / Missed Work policy on next page.
3. Makeup examinations for the term tests are available to those who gain accommodation and are anticipated to be provided in the week following the assessment.

### **CLASS POLICIES:**

- All students are expected to engage in a professional and respectful manner. This includes all interactions with peers, as well as communication between TAs or your Professor. Failure to do so will result in academic discipline.
- Recording of lectures or office hours without the explicit consent of the Professor or TA is grounds for academic discipline.
- Course content created by a faculty member is considered the faculty member's intellectual property; it should not be distributed, shared in any public domain, or sold by a student or other third party without prior written consent of the faculty member.
- **Any** work submitted by a student for grades must be the **student's own work**.

### **Online Proctoring:**

Other than the quizzes, the examinations in this course will be conducted using remote proctoring. Completion of this course will require you to have a reliable internet connection and a device that meets suitable technical requirement.

### **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 his/her 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:

[http://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/scholastic\\_discipline\\_undergrad.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf).

### **ACCOMMODATION AND ACCESSIBILITY POLICIES:**

Students with disabilities work with Accessible Education (formerly SSD), 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)

### **ABSENCE / MISSED WORK:**

Students who experience an extenuating circumstance (illness, injury or other extenuating circumstance) sufficiently significant to temporarily render them unable to meet academic requirements may submit a request for academic consideration through the following routes:

1. Submitting a Self-Reported Absence (SRA) form provided that the conditions for submission are met. To be eligible for a Self-Reported Absence:
  - an absence must be no more than 48 hours
  - the assessments must be worth no more than 30% of the student's final grade
  - no more than two SRAs may be submitted during the Fall/Winter term
2. For medical absences, submitting a Student Medical Certificate (SMC) signed by a licensed medical or mental health practitioner to the Academic Counselling office of their Faculty of Registration.
3. Submitting appropriate documentation for non-medical absences to the Academic Counselling office in their Faculty of Registration.

Note that in all cases, students are required to contact their instructors within 24 hours of the end of the period covered, unless otherwise instructed in the course outline.

Students should also note that individual instructors are not permitted to receive documentation directly from a student, whether in support of an application for consideration on medical grounds, or for other reasons. All documentation required for absences that are not covered by the Self-Reported Absence Policy must be submitted to the Academic Counselling office of a student's Home Faculty.

For the policy on Academic Consideration for Student Absences – Undergraduate Students in First Entry Programs, see: [https://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/accommodation\\_illness.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_illness.pdf) and for the Student Medical Certificate (SMC), see: [http://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/medicalform.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf)

**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>.

**Absences from Quizzes:** A student who needs a makeup for an Online Quiz should email the instructor, stating the reason for missing the quiz, as soon as possible after the quiz window closes. (No other approval required.) Please note that there will be no makeups for Quiz 6.

**Absences from Final Examinations:** If you miss the Final Exam, please contact the Academic Counselling office of your Faculty of Registration as soon as you are able to do so. They will assess your eligibility to write the Special Examination (the name given by the University to a makeup Final Exam).

You may also be eligible to write the Special Exam if you are in a "Multiple Exam Situation" (e.g., more than 2 exams in 23-hour period, more than 3 exams in a 47-hour period).

### **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/>.

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 (519) 661-2147 if you have any questions regarding accommodations.

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

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