

Math 2151A: Discrete Structures for Engineers, Fall 2017

Please check this page regularly for updates and announcements.

The first class is on Monday, September 11, 2017, and will be a regular class.

Section 1

Instructor:	Nicole Lemire
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E-mail:	nlemire at uwo dot ca
Office Hours:	Tu 1:00-2:00pm, W 1:30-3:00pm, or by appointment
Class times and locations:	MW 12:30-1:30 in SH 3345 T 11:30-12:30 in SSC 2050
Text:	<i>Discrete Mathematics with Graph Theory</i> , Third Edition, by E. Goodaire and M. Parmenter, published by Prentice Hall. (ISBN 0-13-167995-3)
Antirequisites:	Mathematics 2155F/G, the former Mathematics 2155A/B, the former Software Engineering 2251A/B.
Prerequisites:	Computer Science 1026A/B or ES 1036A/B.
Corequisites:	Computer Science 1027A/B or 1037A/B.
Course website:	http://www-home.math.uwo.ca/~nlemire/2151

What is expected of the student:

Students should attend all classes, make a serious effort to understand all course material and do all the assigned work. The student must assume responsibility for any missed classes. It is up to the student to seek out help when needed. The student is responsible for being aware of all relevant information, assignments, materials and grades posted on the course website or on the OWL Site for the course. Students are expected to keep up with the the material of the course by doing recommended [exercises](#) and following the text. A fundamental component of the course is to **prove** mathematical theorems.

Note: This course is offered only to software engineering students enrolled in the Faculty of Engineering.

Syllabus:

Here is a brief outline of the topics covered in Math 2151.

- Logic and proofs
- Sets, relations and functions
- Integers, induction, and recursion
- Counting
- Algorithms and complexity
- Introductory graph theory, trees

Link to [UWO course calendar](#).

Evaluation of Student Performance:

Assignments:	5%
Midterm Examinations (two):	20% each
Final Examination:	50% (cumulative)

The remaining 5% will go toward whichever of the three exams is the student's best mark.

Notes: NO calculators or other electronic devices

Midterm Information:

The date of the two **midterm exams** will be determined soon.

Final Exam Information

The date for the **final exam** will be determined by the Registrar. The final exam will be **cumulative**

Senate Policy On Prerequisites

Prerequisite checking is the student's responsibility. 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.

Statement on Academic Offences

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf

Absence/ Missed Work

If you are unable to meet a course requirement due to illness or other serious circumstances, you must provide valid medical or other supporting documentation to your Dean's office **as soon as possible** and contact your instructor **immediately**. It is the student's responsibility to make alternative arrangements with his or her instructor once the accommodation has been approved and the instructor has been informed. In the event of a missed final exam, a "Recommendation of Special Examination" form must be obtained from the Dean's Office immediately. For further information concerning UWO's Policy on Accommodation for Medical Illness please refer to this policy at: http://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_medical.pdf.

A student requiring academic accommodation due to illness should use the Student Medical Certificate when visiting an off-campus medical facility or request a Record's Release Form (located in the Dean's Office) for visits to Student Health Services. The form can be found here: http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform_15JUN.pdf.

Make-up exams and conflicts

If you know ahead of time that you are unable to attend a midterm or final exam, you must let your instructor know at least **two weeks in advance** so alternative arrangements can be made. See also the [University's policy on final exam conflicts](#).

Accessibility Statement

Please contact the course instructor if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Services for Students with Disabilities (SSD) at 661-2111 x 82147 for any specific questions regarding an accommodation.

Support Services

1. Office of the Registrar: <http://www.registrar.uwo.ca>
2. Student Development Services: <http://www.sdc.uwo.ca>
3. Learning Skills Services: <http://www.sdc.uwo.ca/learning>
4. USC: <http://westernusc.ca/services>
5. Academic Calendar: <http://www.westerncalendar.uwo.ca>
6. ITS: <http://www.uwo.ca/its/helpdesk>
7. Students who are in emotional/mental distress should refer to Mental Health@Western for a complete list of options about how to obtain help. http://www.health.uwo.ca/mental_health

Please check the [exercises page](#) and the course web page regularly for announcements and other information.