

The University of Western Ontario – Department of Statistical and Actuarial Sciences
ACTUARIAL SCIENCE 2053
Mathematics for Financial Analysis 2018-19

Instructor	Sec	Day/Time	Location	email	Office/Phone
Mr. Steve Kopp	001	MWF – 11:30-12:20	NCB 113	kopp@stats.uwo.ca	WSC 284/x86288
Mr. Joe Raaymakers	002	Tu – 9:30-11:20 Th – 10:30-11:20	WSC 55	jraaymakers@stats.uwo.ca	WSC 107
Mr. Xing Jiang (Kings College)	570	Tu – 11:30-1:00 Th – 11:30-1:00	LH 101	xjiang32@uwo.ca	LH 205 519-433-3491 x4530
Mr. Xing Jiang (Kings College)	571	Tu – 3:00-4:30 Th – 3:00-4:30	LH 103		

Prerequisites:

Grade 12U calculus (or equivalent), PLUS one ~~university~~ university level course (or 2 half courses) from Mathematics, Applied Mathematics, Calculus, or Linear Algebra

Anti-requisites:

Actuarial Science 2553A

Students are advised that they are responsible to ensure that they possess the necessary prerequisites (or have written special permission) and that ~~de~~ registration may occur at any time if they lack the prerequisite or have taken an antirequisite course.

Textbooks (both are available in the UWO bookstore)

“Mathematics of Finance NEW 8th Edition, by Brown-Kopp (about \$95)

Study note package (about \$25)

Course Outline (course is divided into ~~2~~ terms)

Mid Term Exam

To be scheduled during the Christmas Exam period

Chapters 1, 2, 3, 4, 5, and part of chapter 6

The midterm exam will cover all material from the first term, including material that was tested on Test 1. It will be a 2-hour exam that may either be multiple choice questions OR a combination of multiple choice and short written answer questions. A formula page will be provided.

Final Exam

Scheduled for the final exam period.

Rest of Chapter 6, all of chapters 7, 8, 9, 10, 11, 12

The final exam will be a 3-hour exam that may either be multiple choice questions OR a combination of multiple choice and short written answer questions. A formula page will be provided. It will be based on material covered in class only since the midterm exam will include material from the 2nd term test.

You will also need a pocket calculator for the tests and the exams.

In-class Quizzes

There will be 8 (4 per term) short written answer question quizzes that will be given at the very start of class on the following Wednesdays (section 001) OR Tuesdays (section 002)

1	September 26, 2018 (001) September 28, 2018 (002)	5	January 2, 2019 (001) January 22, 2019 (002)
2	October 17, 2018 (001) October 16, 2018 (002)	6	February 6, 2019 (001) February 5, 2019 (002)
3	November 7, 2018 (001) November 6, 2018 (002)	7	March 13, 2019 (001) March 12, 2019 (002)
4	November 28, 2018 (001) November 27, 2018 (002)		

APPROXIMATE Weekly Course Outline:

Week – 2018	Section	
Sept 6-14	Accumulating/discounting simple interest (sect 1.2)	
Sept 17-21	Equations of value, partial payments, simple discount (section 1.3 to 1.4)	
Sept 24-28	Accumulating/discounting with compound interest, equivalent rates, fractional periods (section 2.1, 2.2, 2.3, 2.4)	
	In-class Quiz #1– Tues/Wed, September 25/26 at start of class	
Oct 1-5	Determining the time and interest rate, equations of value, changing	

Classroom Environment

We have adopted a "Mutual Expectations" policy governing the classroom environment and all work submitted by students. [The full text of the policy can be found on the Statistical and Actuarial Science departmental web page, <http://www.uwo.ca/stats> or directly to the web page: <https://www.uwo.ca/stats/undergraduate/mutualexpectations.html>]

In summary, all interactions between students and faculty should be governed by the principles of courtesy, respect and honesty.

Students are encouraged to ask questions in the class but cell phones use should be limited to CLICKER questions only., As any unnecessarily loud talking among students is to be discouraged. The goal is to reduce any behaviour by students that may disrupt other students

What Do You Do if You Miss a Course Requirement Due to Illness or Special Circumstances?

If you are unable to meet a course requirement due to illness or other serious circumstances, you must provide valid medical or supporting documentation to the Academic Counselling Office of your home faculty as soon as possible and contact your instructor immediately if you are a Social

Attendance