Department of Mathematics & Statistics
Concordia University

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ACTU 257
Actuarial Mathematics I
Winter 2016

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Instructor:	Dr. P. Gaillardetz, Office: LB 921-13 (SGW), Phone: 848-2424, Ext. 3249 Email: patrice.gaillardetz@concordia.ca
Schedule:	Tuesdays & Thursdays, 14:45-16:00, Room H 820 (SGW).
Office Hours:	TBA
Goal:	This course introduces the student to the mathematical models for present values of claims contingent on some event, e.g. survival (Life) or sickness (Health). More specifically, the course focuses on the mathematics of life insurance and pensions. This course prepares for part of Society of Actuaries Exam MLC and Casualty Actuarial Society Exam 3L. A grade of B or better is needed to apply to the Canadian Institute of Actuaries for exemption of Exam MLC.
Reference:	*Actuarial Mathematics for Life Contingent Risks*, 2nd Edition, by D.C.M. Dickson, M.R. Hardy, and H.R. Waters, Cambridge University Press, 2013.
Calculators:	Calculators allowed in exams for this course are the calculators allowed by the Math Department or the battery- or solar-powered Texas Instrument calculators, models BA-II Plus*, BA-II Plus, TI-30X, TI-30Xa (the official CAS calculator) or TI-30X II*.
Assignments:	There will be eight to ten assignments.

Tests and Final:

	First Test:	Tuesday, February 9, 2015
	Second Test:	Tuesday, March 15, 2015
	Third Test:	Examination period in April

Grading:

The final grade will be determined as follows:

Assignments:	(5%)
Class Test 1:	(25%)
Class Test 2:	(25%)
Final Exam:	(45%)

NOTE: **THERE WILL BE NO SUPPLEMENTAL FOR THIS COURSE AND NO 100% OPTION FOR THE FINAL EXAM.**