Department of Mathematics & Statistics Concordia University

	ACTU 386 Actuarial Math Lab II <i>Winter 2015</i>
Instructor:	
Office/Tel.:	
Office Hours:	

Course: The course is divided in 2 sections:

- Introduction to Excel & Access (2/3 of the overall score for the course)
- Introduction to Axis (1/3 of the overall score for the course)

Introduction to Excel & Access (8 weeks)

introduction to Exect at Metable					
Excel					
Introduction to the Basic Concepts	Move, Copy and	Find and Replace functions	VBA – User defined		
Relative to a Pension Plan	Edit methods	Sort dfunctions	functions		
	Window Options	Subtotal functions	Iterative functions		
 Types of pension plans 	Undo function	AutoFilter functions	Comments		
 Normal Cost 	Help functions	Pivot Table functions	Data Form functions		
 Actuarial Liability 	Creating a chart	Protection features	Audit functions		
Excel Environment	Formatting a chart	Control objects	Error messages		
Commonly Used functions	Functions related to	Functions related to text	Others actuarial uses of		
Vlookup function	dates		Excel		
Access					
Access Environment	Creating Forms	Keeping the information	Pages and Modules		
Creating a database	Sort and Filter	accurate			
Editing a table	functions	Reports			
Getting info in and out of a	Queries	Sharing the database			
database	SQL queries	Security			

Evaluation: Exam: 20% of the Excel/Access portion

Assignment: 80% of the Excel/Access portion

Introduction to Axis (5 weeks)

Introduce Basic Concepts Relative to Life Insurance	Give a high level view of Axis and Its Uses
 Definition of life insurance Different types of coverage available term vs Whole life universal vs. traditional lapse supported product 	 introduce the concept of modules, datasets learn how to navigate within AXIS describe the concepts of Funds, Subfunds and Cells describe the mechanics of a cell learn to use certain functionalities: overrides, filters, etc work through an case study of how Axis can be used to price a simple life insurance plan.

Evaluation: 100% of the Axis portion will be tested through one assignment (no formal exam).