

George Mason University
Math 555
Course Syllabus

Date Fall 2018
Title Mathematics of Life Contingencies
Course Math 555
Location Innovation Hall Room 207
Time Wed 7:20PM
Professor: Douglas Eckley
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 mobile # 571 277 7927 (use sparingly)
 office # 703 993 1682
 office hours Tue noon - 4pm and Wed 1:30 - 7pm

Description

This course helps the student prepare for the Construction and Evaluation of Actuarial Models exam, ie exam "MLC", in the Society of Actuaries sequence. This course covers at least the first half of the required reading for the exam.

The book is Actuarial Mathematics for Life Contingent Risks by Dickson, Hardy, and Waters.

Procedures

The class will consist mostly of a series of lectures.

Grading will be divided as follows:

Progress tests (3)	60
Final exam	40

Calendar

<u>Date</u>	<u>Topic</u>	<u>Reference to Book</u>
29-Aug	Survival Models	Ch 2
5-Sep	Life Tables and Selection	Ch 3

12-Sep	Review	
19-Sep	Visitation from Aetna	
26-Sep	Progress Test #1	
3-Oct	Insurance Benefits	Ch 4
10-Oct	Annuities	Ch 5
17-Oct	Review	
24-Oct	Progress Test #2	
31-Oct	Premium Calculation	Ch 6
7-Nov	Policy Values	Ch 7
14-Nov	Review	
21-Nov	Thanksgiving	
28-Nov	Progress Test #3	
5-Dec	Review	
12-Dec	Final Exam	