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# Math 573/673 Fall 2008

## Actuarial Mathematics - SOA Exam MLC- part 1

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**Instructor:** Dr. Ewa Kubicka

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**Office Hours:** T 12:15-1:00; R 10:00-10:50am; W by appointment

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**Lecture Time:** TR 5:30 PM to 6:45 PM Place: NS 333

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**Text:** Actuarial Mathematics (Second Edition) by Bowers, N.L., Gerber, H.U., Hickman, J.C., Jones, D.A., and Nesbitt, C.J.

**Material:** Covers half of the material for SOA exam MLC & MFE.

The rest of the material for SOA Exam M will be covered in the class: Math 574/674 (ACTUARIAL MODELS II) offered in the Spring 2009

**Grading:** Grades for this course will be based upon total points earned from 3 tests, homeworks and the cumulative final.

Homeworks	50	(1 point each problem)
Three tests	300	( 100 points each test )
Final exam	150	
Extra credit:	- Homework: (over 50 pts)	

Out of **500** points

488 is required for **A+**,

450 is required for **A**,

438 is required for **A-**,

425 is required for **B+**,

400 is required for **B**,

388 is required for **B-**,

375 is required for **C+**,

350 is required for **C**,

338 is required for **C-**,

325 is required for **D+**,

300 is required for **D**, and

288 is required for **D-**.

**Approximate Schedule.** Any changes to this syllabus will be announced in class.

<b>Date</b>	<b>Section</b>
1. 8/26 (T)	Introduction
2. 8/28 (R)	I. Survival Models-Ch.3
M 9/01-labor Day	
3. 9/02 (T)	I. Survival Models-Ch.3
4. 9/04 (R)	I. Survival Models-Ch.3
5. 9/9 (T)	II. Life Insurance-Ch.4
6. 9/11 (R)	II. Life Insurance-Ch.4
7. 9/16 (T)	II. Life Insurance-Ch.4
<b>8. 9/18 (R)</b>	<b>TEST 1</b>
9. 9/23 (T)	III. Life Annuities-Ch.5
10. 9/25.(R)	III. Life Annuities-Ch.5
11. 9/30 (T)	IV. Premiums-Ch.6
12. 10/02 (R)	IV. Premiums-Ch.6
13. 10/07 (T)	V. Reserves-Ch.7&8
14. 10/9 (R)	V. Reserves-Ch.7&8
M 10/13 & T 10/14 - Fall Break	
15. 10/16 (R) (last day to drop)	V. Reserves-Ch.7&8
16. 10/21 (T)	V. Reserves-Ch.7&8
<b>17. 10/23 (R)</b>	<b>TEST 2</b>
18. 10/28 (T)	VI. Multiple Lives-Ch.9
19. 10/30 (R)	VI. Multiple Lives-Ch.9
<b>11/04 (T) ELECTION DAY</b>	
20. 11/06 (R)	VII. Multiple Decrements-Ch.10&11
21. 11/11 (T)	VII. Multiple Decrements-Ch.10&11
22. 11/13 (R)	VII. Multiple Decrements-Ch.10&11
23. 11/18 (T)	VII. Multiple Decrements-Ch.10&11
24. 11/20 (R)	VIII. Insurance Models w/ Expenses
25. 11/25 (T)	VIII. Insurance Models w/ Expenses
<b>26. 12/02 (T)</b>	<b>TEST 3</b>
27. 12/04 (R)	Review
28. 12/09 (T)	Review & <b>Final (take home)</b>
<b>R 12/11 5:30pm - 8:00pm</b>	<b>Final Exam (in class)</b>

