

COURSE: M339V (#56930) = M389V (#57245) *Actuarial Contingent Payments II*; TTh 12:30 - 1:45 in RLM6.104. Spring 2010.

TEACHER: Jim Daniel, Director of Actuarial Studies, RLM 11.174, MTWTh 9-11
OR by appointment OR take your chances and drop in; 471-7168. e-mail as
daniel@math.utexas.edu

PREREQUISITE: Grades of at least C in both ACF329=M389F interest theory
and M339U=389U actuarial contingent payments I.

GRADES: There will be three in-class exams—see attached schedule—that will
37%, 19%, and 29%, respectively. There will not be a Final Exam. The average
of your three Special Homework scores (see below) will count 15%. I *will* use \pm
grading; attendance does *not* count as part of your grade.

TESTS & TEST-TAKING: [Students registered for M389V will be required to
answer an extra question or two on each test.] Bring your own paper for each
test. No books or notes allowed. Calculators of any type are allowed and are in
practice necessary; I recommend that you purchase one of the approved
calculators allowed at CAS/SoA exams in order to become familiar with it. At
each test, I'll distribute for your use a copy of the tables distributed and used in
the M339U = M389U class. Make-up exams usually will NOT be given; if you
are going to miss an exam, you **MUST** have notified either me (or my voice mail)
or the Math Department office **BEFORE** the test begins to have even a slight
chance of getting a make-up. Sample tests will be distributed a week before
each test to give you an idea of the type questions to expect (though not the
specific topics, of course).

HOMEWORK: I'll suggest some practice problems from the text material or
sample SoA exams for practice each Tuesday and Thursday, but they will not
be collected. [Get the spring 2007 SoA Exam MLC from the Past Exam
Questions and Solutions link at <http://www.soa.org/education/exam-req/edu-exam-m-detail.aspx> along with the SoA's sample questions (and solutions) for
Exam MLC (available as Study Note MLC-09-08 from links on the Syllabus
with Learning Objectives/Outcomes and Readings that is itself a link on
<http://www.soa.org/education/exam-req/edu-exam-m-detail.aspx> again.] Three
times during the semester (see the schedule) I'll hand out *Special Homework*, a
set of problems like some of those on SoA Exam MLC; these will usually be due
one week after assigned. Your solutions **WILL** be graded. Group work is OK.

NOTE: The University of Texas at Austin provides upon request appropriate
academic accommodations for qualified students with disabilities. For more
information, contact the Office of the Dean of Students at 471-6259, 471-6441 TTY.

MATERIAL & CALENDAR: The material to be covered consists of the numbered sections below from the **REQUIRED** texts *Actuarial Mathematics (2nd Edition)* by Bowers *et alia* (denoted below by B), *Multi-state transition models with actuarial applications* by Daniel (denoted below by DM) that is available by downloading for free from the SoA website through a link on the Syllabus with Learning Objectives/Outcomes and Readings that is itself a link on <http://www.soa.org/education/exam-req/edu-exam-m-detail.aspx> again., and *Poisson processes (and mixture distributions)* by Daniel (denoted below by DP), also available by downloading for free from the same web page.

Tuesdays

1/19: Orient, B5.2
 26: B5.2-3
 2/2: B5.4, 11.2 (a), 9.7 (a)
 9: B6.2
 16: B6.2-3
 23: B6.4, 11.3 (P), 9.7 (P); **sample out**
 3/2: **T1 thru premiums on 2/25**
 9: *No class, Daniel gone*
 16: *Spring Break, no class*
 23: B7.3-4
 30: B7.4-5-6 **HW2 out**

 6: B8.3 **HW2 due**

 13: B8.3-4
 20: B8.5, 15.4, 15.1-2.1
 27: DP1.1-2 **HW3 out**
 5/4: DP1.3-4 **HW3 due**

Thursdays

21: B5.2
 28: B5.3-4
 4: B9.7 (a); DM2.3; B6.1
 11: B6.2
 18: B6.3-4 **HW1 out**
 25: DM2.4 (P); B7.1-2 **HW1 due**
 4: B7.2
 11: B7.2-3
 18: *Spring Break, no class*
 25: *No class, Daniel gone*
 4/1: B11.3 (V), 9.7 (V); DM2.4 (V); B8.2-3;
sample out
 8: **T2 thru reserves (not Ch 8) on 4/1**
 15: *No class, Daniel gone*
 22: B15.1-2.1, 15.6-6.1
 29: DP1.3; **sample out**
 6: **T3 remainder**

Good luck, and I hope you enjoy class!