

The University of Iowa
College of Liberal Arts and Sciences
Department of Statistics and Actuarial Science
22S:182 (ACTS:4280) Life Contingencies II
10:30 - 11:20AM TWThF 109 EPB **Fall Semester 2012**

Instructor: Dr. E.S.W. Shiu Office: 362 SH Phone: 335 2580 E-mail: elias-shiu@uiowa.edu
Office Hours: 2–3:30 PM Tuesday & Thursday, and 1–2 PM Wednesday, or by appointment
Department: Statistics & Actuarial Science, 241 SH Phone: 335 2082
D.E.O.: Dr. Luke Tierney Phone: 335 0712 E-mail: luke-tierney@uiowa.edu
Prerequisites: 22S:153 or 22S:193 **and** a grade of C+ or better in 22S:181 (ACTS:3180)

This is an off-cycle course. The drop date is October 10.

This course is intended for students who want to master the Life Contingencies material in the professional examination “Models for Life Contingencies (MLC)” given by the Society of Actuaries.

Required textbook: *Actuarial Mathematics for Life Contingent Risks* by D. C. M. Dickson, M. R. Hardy, and H. R. Waters, Cambridge University Press (2009).

Other references: *Solutions Manual for Actuarial Mathematics for Life Contingent Risks* by D. C. M. Dickson, M. R. Hardy, and H. R. Waters, Cambridge University Press (2012)

Models for Quantifying Risk, 4th Edition by R. Cunningham, T. N. Herzog and R. L. London, ACTEX Publications, and its *Solutions Manual*.

Actuarial Mathematics by N. L. Bowers, H. U. Gerber, J. C. Hickman, D. A. Jones, and C. J. Nesbitt, Society of Actuaries.

The course will review Chapters 1 to 7 and cover Chapters 8 to 11 of AMLCR and its Supplementary Notes.

There will be four (4) exams. The first exam will be given in class on Thursday, August 23. The other three exams are given Friday evenings of September 14, October 12, and November 2.

You are to use an official CAS/SOA calculator.

Tentatively, the final grade (H.W. 8% + Exams 8% + 28% + 28% + 28%) will be assigned as follows:

Undergrads F[0, 40); D–[40, 45); D[45, 50); D+[50, 55); C–[55, 60); C[60, 65);
C+[65, 70); B–[70, 75); B[75, 80); B+[80, 85); A–[85, 90); A[90, 95); A+[95, 100]

Graduate students F[0, 46); D–[46, 50.5); D[50.5, 55); D+[55, 59.5); C–[59.5, 64); C[64, 68.5);
C+[68.5, 73); B–[73, 77.5); B[77.5, 82); B+[82, 86.5); A–[86.5, 91); A[91, 95.5); A+[95.5, 100]

Note: SOA’s Exam MLC will be given on Tuesday, November 6, 8:30 AM – 11:45 AM.
Registration Deadline is Midnight of Monday, Sept. 24, 2012.

Administrative Home

The College of Liberal Arts and Sciences is the administrative home of this course and governs matters such as the add/drop deadlines, the second-grade-only option, and other related issues. Different colleges may have different policies. Questions may be addressed to 120 Schaeffer Hall, or see the CLAS Academic Policies Handbook at <http://clas.uiowa.edu/students/handbook>.

Electronic Communication

University policy specifies that students are responsible for all official correspondences sent to their University of Iowa e-mail address (@uiowa.edu). Faculty and students should use this account for correspondences (Operations Manual, III.15.2, k.11).

Accommodations for Disabilities

A student seeking academic accommodations should first register with Student Disability Services and then meet privately with the course instructor to make particular arrangements. See www.uiowa.edu/~sds/ for more information.

Academic Honesty

All CLAS students have, in essence, agreed to the College's Code of Academic Honesty: "I pledge to do my own academic work and to excel to the best of my abilities, upholding the IOWA Challenge. I promise not to lie about my academic work, to cheat, or to steal the words or ideas of others; nor will I help fellow students to violate the Code of Academic Honesty." Any student committing academic misconduct is reported to the College and placed on disciplinary probation or may be suspended or expelled (CLAS Academic Policies Handbook).

CLAS Final Examination Policies

The final examination schedule for each class is announced around the fifth week of the semester by the Registrar. Final exams are offered only during the official final examination period. **No exams of any kind are allowed during the last week of classes.** All students should plan on being at the UI through the final examination period. Once the Registrar has announced the dates and times of each final exam, the complete schedule will be published on the Registrar's web site.

Making a Suggestion or a Complaint

Students with a suggestion or complaint should first visit with the instructor (and the course supervisor), and then with the departmental DEO. Complaints must be made within six months of the incident (CLAS Academic Policies Handbook).

Understanding Sexual Harassment

Sexual harassment subverts the mission of the University and threatens the well-being of students, faculty, and staff. All members of the UI community have a responsibility to uphold this mission and to contribute to a safe environment that enhances learning. Incidents of sexual harassment should be reported immediately. See the UI Comprehensive Guide on Sexual Harassment for assistance, definitions, and the full University policy.

Reacting Safely to Severe Weather

In severe weather, class members should seek appropriate shelter immediately, leaving the classroom if necessary. The class will continue if possible when the event is over. For more information on Hawk Alert and the siren warning system, visit the Department of Public Safety website.