

**The University of Iowa**  
**College of Liberal Arts and Sciences**  
**Department of Statistics and Actuarial Science**  
**ACTS:4280 (22S:182) Life Contingencies II Fall Semester 2015**  
5:00-6:15 PM MTWTh 105 EPB

Instructor: Dr. E.S.W. Shiu Office: 362 SH Phone: 335 2580 E-mail: elias-shiu@uiowa.edu  
Office Hours: 3:30–5 PM Monday and Wednesday, or by appointment  
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Prerequisites: 22S:153 or 22S:193 **and** a grade of C+ or better in 22S:181 (ACTS:4180)

This is an off-cycle course. The drop date is October 7.

This course is based on the syllabus for the professional examination “Models for Life Contingencies (MLC)” given by the Society of Actuaries (SOA).

The **required textbook** is *Actuarial Mathematics for Life Contingent Risks*, 2<sup>nd</sup> edition, by D. C. M. Dickson, M. R. Hardy, and H. R. Waters, Cambridge University Press. You may want to bring this book to every class. Below are some references.

- “Notation and Terminology used on Exam MLC” <https://www.soa.org/education/exam-req/edu-exam-m-detail.aspx>
- *Solutions Manual for Actuarial Mathematics for Life Contingent Risks*, 2<sup>nd</sup> edition, by D. C. M. Dickson, M. R. Hardy, and H. R. Waters, Cambridge University Press.
- *Models for Quantifying Risk*, 6<sup>th</sup> edition, by S.J. Camilli, I. Duncan, and R. L. London, ACTEX Publications, and its *Solutions Manual*.
- *Actuarial Mathematics*, 2<sup>nd</sup> edition, by N. L. Bowers, H. U. Gerber, J. C. Hickman, D. A. Jones, and C. J. Nesbitt, Society of Actuaries.
- *Life Insurance Mathematics*, 3<sup>rd</sup> edition, by H. U. Gerber, Springer.

The course will review Chapters 1 to 7 and cover Chapters 8 to 13, but excluding Sections 10.7 and 11.5, of the official textbook *AMLCR*.

There will be five (5) exams. The first exam will be given in class on August 27 (Thursday). The other four exams are given in the evenings of September 11 (Friday), September 25 (Friday), October 16 (Friday), and October 28 (Wednesday) in 140 SH. **You are to use an official SOA calculator.** Tentatively, the final grade (H.W. 7% + Exams 7% + 20% + 20% + 20% + 26%) 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 MLC Examination will be given on Friday, October 30, 8:30am to 12:45pm.

The *Actuarial Science, Insurance and Risk Management Job Fair* will be held on Wednesday, September 30, 1:00pm to 4:00pm, 2nd Floor Ballroom at Iowa Memorial Union.

### **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 with the course instructor privately in the instructor's office to make particular arrangements. See [www.uiowa.edu/~sds/](http://www.uiowa.edu/~sds/) for more information.

### **Academic Honesty**

All CLAS students or students taking classes offered by CLAS 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 by the Registrar generally by the fifth week of classes. 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 date, time, and location of each final exam, the complete schedule will be published on the Registrar's web site and will be shared with instructors and students. It is the student's responsibility to know the date, time, and place of a final exam.

### **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](#)