Instructor: Dr. E.S.W. Shiu  
Office: 362 SH  Phone: 335 2580  
E-mail: elias-shiu@uiowa.edu
Office Hours:  1:45–3:15 PM Tuesday and Thursday, or by appointment

Department: Statistics & Actuarial Science, 241 SH  
Phone: 335 2082

D.E.O.: Dr. Kung-Sik Chan  
Phone: 335 0712  
E-mail: kung-sik-chan@uiowa.edu

Prerequisites:  C+ or better in each of ACTS:3080, ACTS:4130, and STAT:4100.  Calculus and probability are used extensively in this course.

This course is based on the syllabus for the Society of Actuaries (SOA) examination Long-Term Actuarial Mathematics (LTAM).  It is expected that students will write LTAM on October 23, 2020.

The LTAM textbook is *Actuarial Mathematics for Life Contingent Risks*, 3rd ed (2020), by D.C.M. Dickson, M.R. Hardy, and H.R. Waters, Cambridge University Press.  The course will review its Chapters 2 to 5, and cover most of Chapters 6, 7, 9 and 10.

Below are some useful references.


There will be three Friday evening (6:30 to 8:30 pm) midterm exams, on January 31, February 28 and April 10, in 140 SH.  **You are to use an official SOA calculator.**  Tentatively, the final grade (H.W. 7%; Midterm Exams 10%, 25%, 25%; Final Exam 33%) 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:** The pre-requisite for the next course, ACTS:4280, is C+ or better in ACTS:4180.
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 Student Academic 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. Scroll down to 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
The College of Liberal Arts and Sciences expects all students to do their own work, as stated in the CLAS Code of Academic Honesty. Instructors fail any assignment that shows evidence of plagiarism or other forms of cheating, also reporting the student's name to the College. A student reported to the College for cheating is placed on disciplinary probation; a student reported twice is suspended or expelled.

CLAS Final Examination Policies
Final exams may be offered only during finals week. No exams of any kind are allowed during the last week of classes. Students should not ask their instructor to reschedule a final exam since the College does not permit rescheduling of a final exam once the semester has begun. Questions should be addressed to the Associate Dean for Undergraduate Programs and Curriculum.

Making a Suggestion or a Complaint
Students with a suggestion or complaint should first visit the instructor, then the course supervisor, and then the departmental DEO. Complaints must be made within six months of the incident. See the CLAS Student Academic 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 Public Safety web site.

Student Resources
The Writing Center www.uiowa.edu/~writingc/ and the Campus Information Center’s Tutor Referral Services http://imu.uiowa.edu/cic/ at the IMU.

*These CLAS policy and procedural statements have been summarized from the web pages of the College of Liberal Arts and Sciences and The University of Iowa Operations Manual.