

**THE UNIVERSITY OF TEXAS AT EL PASO**  
**COLLEGE OF SCIENCE**  
**DEPARTMENT OF MATHEMATICS**

**Course Number:** Topics Seminar (MATH-4370-001 CRN:25392)  
**Course Title:** Actuarial Mathematics  
**Credit Hours:** 3  
**Term:** Spring 2023  
**Course Meeting Time:  
& Location** Independent Studies  
**Prerequisite Courses:** Prerequisite: STAT 3330 & MATH 2320 or equivalent  
**Instructor:** Desmond Koomson  
**Office Location:** Bell Hall 215  
**Contact Info:** E-mail: dkoomson@utep.edu  
**Office Hours:** **2pm – 4pm Tues/Thurs** or by appt

**Textbook, Materials:** Models for Quantifying Risk, 6<sup>th</sup> Edition  
**By:** Richard L. London, Robin J. Cunningham, and Thomas Herzog  
**ISBN:** 978-1-62542-347-4

**Course Objectives:** Introduction to Actuarial Mathematics. Treatment of single and joint lives including mortality functions, various kinds of annuities and life insurance, premiums, reserves and standard actuarial notations for these concepts. Recommended as partial preparation for Actuarial Exam M.

**Course Assessment:** Homeworks, quizzes, midterm exams, final exam. Aside homeworks and quizzes which will be submitted through Blackboard, all other mode of assessments will be taken in person under supervision.

**Grading Policy:** The usual grading scale will be used for this course (90%-100% is an A, 80%-89% is a B, etc.)

Two exams	40% (20% each)
Homework&Quizzes	30%
<u>Final exam</u>	<u>30%</u>
Total	100%

**Course Schedule:** **Thursday, Mar 30th - Drop Date**  
**IMPORTANT:** After the drop date, you can be dropped only with an F. No exceptions. The instructor will not grant a W after the drop date.

First Midterm: TBA  
Second Midterm: TBA  
Final exam: EXAM WEEK - **TBD**

**Make-up Policy:** Make-up quizzes will only be given for students attending university sponsored events (such as student athletes traveling to meets), and only with prior notification and appropriate documentation. A make-up exam will only be given in extraordinary circumstances (severe illness, death in immediate family), and with appropriate documentation (e.g. doctor's note).

**Attendance Policy:** You are expected to watch posted lecture videos and work toward the completion of course assignments daily. Attendance will be measured by mostly completion of tasks. Failing to complete tasks is equivalent to being absent. Failure to complete assignments for several weeks may result in you being dropped from the course.

As with every college course, attendance is essential for success. If possible, it is better to let me know ahead of time for any tardiness.

**Academic Integrity:** Rules and Regulations, which are available for inspection electronically at <https://www.utsystem.edu/offices/board-regents/regents-rules-and-regulations>.

**Course Netiquette Policy:** All correspondence with your instructor, and TA should be conducted in an appropriate and professional manner. Please be considerate of your tone and word choice when conducting correspondence.

**Accommodation Policy:** The University is committed to providing reasonable accommodations and auxiliary services to students, staff, faculty, job applicants, applicants for admissions, and other beneficiaries of University programs, services and activities with documented disabilities in order to provide them with equal opportunities to participate in programs, services, and activities in compliance with sections 503 and 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA) of 1990 and the Americans with Disabilities Act Amendments Act (ADAAA) of 2008. Reasonable accommodations will be made unless it is determined that doing so would cause undue hardship on the University. Students requesting an accommodation based on a disability must register with the UTEP Center for Accommodations and Support Services (CASS). Contact the Center for Accommodations and Support Services at 915-747- 5148, or email them at [cass@utep.edu](mailto:cass@utep.edu) , or apply for accommodations online via the CASS portal.

#### COVID-19 Precautions

Please stay home if you have been diagnosed with COVID-19 or are experiencing COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, so that we can work on appropriate accommodations. If you have tested positive for COVID-19, you are encouraged to report your results to [covidaction@utep.edu](mailto:covidaction@utep.edu), so that the Dean of Students Office can provide you with support and help with communication with your professors. The Student Health Center is equipped to provide COVID 19 testing.

The Center for Disease Control and Prevention recommends that people in areas of substantial or high COVID-19 transmission wear face masks when indoors in groups of people. The best way that Miners can take care of Miners is to get the vaccine. If you still need the vaccine, it is widely available in the El Paso area, and will be available at no charge on campus during the first week of classes. For more information about the current rates, testing, and vaccinations, please visit [epstrong.org](http://epstrong.org)

Please contact me immediately if you fall ill during the semester so that we can work together to formulate a strategy to help you get caught up as soon as you are physically able.

**Military Statement:**

If you are a military student with the potential of being called to military service and/or training during the course of the semester, you are encouraged to contact me as soon as possible.