Central Connecticut State University  
Department of Mathematical Sciences  

READ THIS SYLLABUS CAREFULLY.  

Long Term Actuarial Models  
ACTL 465/565  

4 credits  
Fall 2020  
T/Th 7:20 – 8:35  (Webex Sessions)  

Lecture Slides posted online at: hartman.byu.edu/docs/stat475.html  

Instructor: Frank Bensics  
Office: NA  
Office Hours: 3:00-4:00 M,T,W,Th Webex  
E-mail: bensicsf@ccsu.edu  

Prerequisite: Stat 315  

Students for Whom the Course is Intended: Actuarial Science Majors  

Course Description: Lectures and problems related to the valuation of payments contingent upon uncertain time of payment or duration of payments. It extends financial mathematics by introducing uncertainty into valuation.
Course Topics

Weeks 1-3  Survival Models  Chapter 2
Weeks 4-5  Life Table  Chapter 3
Test 1
Weeks 6-8  Insurance Benefits  Chapter 4
Weeks 9-11 Annuities  Chapter 5
Test 2
Weeks 12-14 Premium Calculation  Chapter 6
Test 3
Final Exam

Final Exam: TBD

Evaluation Plan:
Test 1, 2, and 3  60%
Final Exam  40%

University’s Academic Integrity Policy: Any student who engages in any forms of academic misconduct will face disciplinary consequences. Academic sanctions can range from a reduced grade for the quiz or exam to a failing grade for the course. An Academic Misconduct Report may be filed, and a Faculty Hearing Board may impose sanctions such as probation, suspension, or expulsion. It is your responsibility to know the Student Code of Conduct (see http://www.ccsu.edu/page.cfm?p=4155) and the Policy on Academic Misconduct (see http://www.ccsu.edu/page.cfm?p=2468#Misconduct.)

Additional University Policies:
1. You must take the final examination at the time specified.
2. If you need course adaptations or accommodations because of a disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please contact Disability Services.
3. The last day to withdraw from a course is Nov 17th. Approvals for withdrawal are not required. However, it is strongly recommended that students consult with their academic advisors prior to deciding to withdraw. Cessation of attendance, notice to instructor, or telephone calls to the Enrollment Center is not considered official notice of a student’s intention to withdraw from the course.

After Nov 17 withdrawals are allowed only under extenuating circumstances and require approval of the course instructor, department chair and dean of the School of Arts and Sciences. Failure to withdraw properly from a course will result in a grade of F appearing on the transcript.