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**ACTUARIAL SCIENCE 327  
"LIFE CONTINGENCIES I"**

**Calendar Description:** H(3-1T)

The survival function, force of mortality, life tables, analytical laws of mortality, life insurance, continuous and discrete life annuities, recursion equations. Introduction to benefit premiums and/or insurance and annuity models with interest as a random variable as time permits.

**Prerequisite:** A grade of C or higher in Mathematics 321.

**Note:** Actuarial Science 325 is recommended.

**Recommended Text:** "Actuarial Mathematics," Bowers et.al, second edition, Society of Actuaries.

*Syllabus*

<u>Topics</u>	<u>Number of Hours</u>
<b>Chapters 3, 4, 5 of the above text</b>	
Survival distributions and life tables	12
Life insurance - net single premiums	11
Life annuities	11
Review	2
<b>TOTAL HOURS</b>	<b>36</b>

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