



## STUDENT LEARNING OUTCOMES

### COLLEGE OF SCIENCES ACTUARIAL SCIENCE - B.S.

#### Discipline Specific Knowledge, Skills, Behavior and Values

1. Students will demonstrate knowledge of the fundamental probability tools for quantitatively assessing risk.
2. Students will demonstrate an understanding of the fundamental concepts of financial mathematics.
3. Students will demonstrate knowledge of mathematical statistics. For example, fitting simple and multiple linear regression, conducting time series analysis, etc.

#### Critical Thinking

1. Students will demonstrate knowledge of the fundamental probability tools for quantitatively assessing risk.
2. Students will demonstrate an understanding of the fundamental concepts of financial mathematics.
3. Students will demonstrate knowledge of mathematical statistics. For example, fitting simple and multiple linear regression, conducting time series analysis, etc.

#### Communication

1. Students will demonstrate knowledge of mathematical statistics. For example, fitting simple and multiple linear regression, conducting time series analysis, etc.

#### Assessment of Actuarial Science - B.S. Outcomes

These outcomes will be assessed using a variety of assessment methods, including:

- Tests/exams
- Projects
- Presentations