Form (H)
Short course description

Course title: **Actuarial Probability**	Course number and code: **STAT 216**
Previous course requirement: **STAT 101 + MATH 206 or MATH 201**	Language of the course: **English**
Course level: **3**	Effective hours: **4(3+2+0)**

Course description

To introduce intermediate theoretical bases in the field of Probability and Mathematical Statistics with actuarial techniques

Course objectives

Know how to handle a sequence of events
Know how to handle real random variables, their distributions and the expectations.
Know how to handle the bivariate case and marginal distributions
Understand the concept of conditional expectation
Focus on actuarial examples

Learning outcomes (understanding, knowledge, and intellectual and scientific skills)
After studying this course, the student is expected to be able to:

understanding	
knowledge	Be able to handle situations by himself
intellectual and scientific skills	

Textbook adopted and supporting references

Title of the book	Author's name	Publisher's name	Date of publication
Probability and Statistical Inference	Robert V. Hogg, Elliot A. Tanis, and Dale L. Zimmerman	Pearson Education	2015