ACTUARIAL CALCULATIONS
Financial Economics Faculty
Year of Study: 4th
Credits: 4 ECTS
Practical classes: 144
Optional
Lecturers: Senior Lecturer I. Tsurkan

Purpose: to provide students with understanding the content of actuarial science and actuarial work in assessing the financial and insurance risks.

Objective: To master the theoretical knowledge and practical skills in the field of actuarial calculations in the formation of the modern market infrastructure.

Subject: Methods of Actuarial Mathematics, monitoring and optimization of risk insurance company.

Content of the subject is revealed in the topics**:** The need for actuarial calculations and actuarial mathematics content. Elements of Financial Mathematics and Statistics. Analytical performance of insurance. Financial annuities. Annuities of personal insurance. Calculation of rates for life insurance contracts. Calculation of rates for general insurance contracts.

Supporting lectures and practical classes: computer, multimedia equipment, didactic materials.

Assessment: written test, performance of individual tasks, test, lecture and practical modules, test.

Teaching methods: interactive (thought-provoking) lectures, role plays, case-studies, business simulations.

Instructional Support: reference compendium of lectures, teaching materials, control tests.

Examination method: written test.

Registration for the course: none.

Registration for the exam: as scheduled.

Language: Ukrainian or Russian.