Insurance Mathematics 1

Module coordinator
Dean of Studies Mathematik (Mathematics)

ECTS
10

Method of grading
numerical grade

Duration
1 semester

Module level
graduate

Contents
The module discusses policies on one life: distributions of future lifetime, life tables, life table approximations, types of benefits, present value, expectation principle, premium calculation, commutation functions, reserves and policy values, expenses, bonus, recursive methods, Thiele’s differential equation.

Intended learning outcomes
The student is acquainted with the fundamental notions and methods of life insurance mathematics and can apply them to practical problems.

Courses
V (4) + Ü (2)

Module taught in: English

Method of assessment
a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate)

Assessment offered: In the semester in which the course is offered and in the subsequent semester

Language of assessment: English

Credits:
10

Other prerequisites:
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Allocation of places
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Additional information
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Referred to in LPO I
(examination regulations for teaching-degree programmes)
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Master’s degree (1 major) Mathematics International (2015)