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MODULE HANDBOOK

Module name	Pengantar Matematika Aktuaria II (Introduction to Actuarial Mathematics II)
Module level, if applicable	Bachelor
Code, if applicable	MMS-3477
Subtitle, if applicable	
Courses, if applicable	
Semester(s) in which themodule is taught	I
Person responsible for themodule	Adhitya Ronnie Effendie
Lecture(s)	Adhitya Ronnie Effendie
Language	Indonesian
Classification within the Curriculum	elective
Teaching format /classhours per week during the semester:	lecture, lesson, practical, project
Workload	
Credit points	3
Requirements	Introduction to Actuarial Mathematics I
Module objectives/intended learning outcomes	Students understand concept of benefit reserve Students understand concept of multi life model Students understand concept of multi decrement model Students understand concept of application of multi decrement
Content	This course is about modelling Life Insurance based on stochastic approach. During the course session, the students may learn the operation of Life Insurance companies. Several technical and actuarial

	procedures are given to understand the calculation and detemination of such actuarial quantities like premium and benefit reserves.
Study and xamination requirements and forms of examination	The weight of assignments will be as follows: i. Quiz, homework 25% ii. Mid semester exam 35% iii. Final exam 40% Grade scale: A: 85<score≤100 A-: 80<score≤85 A/B: 75<score≤80 B+: 70<score≤75 B: 65<score≤70 B-: 60<score≤65 B/C: 55<score≤60 C+: 50<score≤55 C: 45<score≤50 C-: 40<score≤45 C/D: 35<score≤40 D+: 30<score≤35 D: 20<score≤30 E: 0≤score≤20
Media employed	
Reading List	Bowers, et. al. *Actuarial Mathematics*, second edition (1997) Society of Actuaries.