Institute and Faculty of Actuaries

Actuarial Mathematics (CM1)

Core Principles

Actuarial Mathematics (CM1) provides a grounding in the principles of actuarial modelling, focusing on deterministic models and their application to financial products. It equips the student with a knowledge of the basic principles of actuarial modelling, theories of interest rates and the mathematical techniques used to model and value cashflows which are either certain or are contingent on mortality, morbidity and/or survival. The subject includes theory and application of the ideas to real data sets using Microsoft Excel.

Actuarial Mathematics		Actuarial Mathematics
CM1A	+	**CM1B**
Theoretical Exam Computer-based 3 hours and 20 minutes Word		Computer-based 1 hour and 50 minutes Excel

You must sit A + B papers in the same session.

From September 2021, an additional 5 minutes has been added to each paper to allow for candidates to download or print, if required, their exam paper.

Actuarial Mathematics (CM1) core reading is available from the IFoA E-Shop or our tuition provider ActEd (BPP).

Resources for CM1

Recommended study hours: 250

CM1_Syllabus_2021.pdf

Actuarial Mathematics (CM1) core reading