

Math 172ABC: Actuarial Mathematics

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Catalog Descriptions

172A-172B. Actuarial Mathematics. Lecture, four hours. **172A.** Requisites: courses 32B, 33B. Designed to provide understanding of fundamental concepts of financial mathematics and how those concepts are applied in calculating present and accumulated values from various streams of cash flows as basis for future use in reserving, valuation, pricing asset/liability management, investment income, capital budgeting, and valuing contingent cash flows. Letter grading. **172B.** Requisites: courses 170A and 170B (or Statistics 100A and 100B), 172A. Designed to provide understanding of theoretical basis of certain actuarial models and application of those models to insurance, pensions, and other financial risks. Letter grading. Prerequisites: course 172A. Multiple life functions. **172C.** Prerequisites: course 172B. Theoretical basis of certain actuarial models and application to insurance, pensions, and other financial risks. Letter grading.

General Information

The courses 172AB were offered in the years 1990-1993. They were taught by outside personnel supported by extramural sources. Due to budget exigencies, the courses were discontinued for several years. The course was reinstated during the 1999-2000 school year.

There is an active actuarial program within the Mathematics Department at UCLA.

Recent enrollment statistics for Math 172A and 172B are shown below in the tables.