

**Instructor:**      Dr. Cen-Tsong Lin

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**Office Hours:** 11:00 – 11:50 Monday – Friday or by appointment.

**Course Goals:** All of the students in this class will take the [Exam P/1 of SOA/CAS](#) in this coming March or May and pass it on the first attempt.

**Course Description:** This course is designed to help students prepare for and pass the Exam P/1 of SOA/CAS. First, we will study and review the probability topics that are important and useful in actuarial science; second, to discuss and present efficient ways of solving problems that might appear on Exam P/1 of SOA/CAS.

**Prerequisite:** Math 411A, or enrolled in Math 411B concurrently.

**Required Text:** Samuel Broverman, *ACTEX P/1 Study Manual*, 2012 Edition, ACTEX Publication

**Calculator:** A calculator suitable for Exam P/1 is required. (**BA II Plus** is recommended. Note: Only the following Texas Instrument calculator models may be used in writing Exam P/1: **BA-35, BA II Plus, BA II Plus Professional Edition, TI-30Xa, TI-30XII, TI-30X MultiView**)

**Tentative Schedule:**

Week 1	1/7 and 1/9	Introduction and section 0, 1
Week 2	1/14 and 1/16	Sections 2, 3 and 4
Week 3	1/21 and 1/23	Section 5; Quiz 1
Week 4	1/28 and 1/30	Section 6 and 7
Week 5	2/4 and 2/6	Section 8
Week 6	2/11 and 2/13	Section 9
Week 7	2/18 and 2/20	Section 9; Quiz 2
Week 8	2/25 and 2/27	Section 10
Week 9	3/4 and 3/6	Section 10; Quiz 3
Week 10	3/11 and 3/13	Practice exams

**Homework:** Homework consists of all of the problems in each problem set; it should be kept in a separate notebook or a binder. It is your benefit to keep your homework well organized, in detail and neat. You can volunteer or will be asked to present homework problems during the class. Turn in your homework binder on the quiz dates, and I will return it back to you on the following day.

**Quizzes:** These are designed to give you some practice working under time constraint. There will be 10 multiple-choice questions in each quiz; those questions are cumulative over all material we have covered at that time. (Note: In a live exam you will have 3 hours to answer 30 multiple-choice questions, that is 6 minutes per question.)

**Evaluation:**

- Homework 10%
- 3 quizzes, tentative schedule: Thursday 1/23, Thursday 2/20 and Thursday 3/6 60%
- Final exam (20 multiple-choice problems), Monday, 3/17, 10:00 AM – 12:00 PM 20%
- Class participation and attendance 10%