

**ACT466H Credibility Theory and Stochastic Simulation Winter Semester 2003**

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Office Hours: 9-11am, Tuesdays or by appointment

Class Times: Tuesdays 11am-12pm, SS1087, and Thursdays 10-12pm SS1074

**Textbooks:**

Klugman, S, H. Panjer and G.E. Willmot (1998) **Loss Models: From Data to Decisions**, John Wiley and Sons.

I will cover Appendices A and B, Section 2.8, and Chapter 5 of the book.

Ross, S (1997) **Simulation**, Second Edition, Academic Press.

I will cover Sections 3.1, 4.1-4.4, 5.1-5.3.

There will be four term tests, each accounting for 25% of the final mark but I may adjust these weights at the end of the term. No final exam will be given. All the tests are 50 minutes long and given during the class time. The dates of these tests are January 28, February 25, March 18, and April 10.

There will be no homework for this course but I will assign a few practice problems to you each week.

Should you be forced to miss a term test, you are required by faculty regulations to submit, within one week, appropriate documentation from the U of T Health Services to me, or the Departmental Office SS6018 (Print on it your NAME, STUDENT NUMBER, course number, and date.). If documentation is not received your test mark will be zero. If you miss one of the first three tests, the average of your other test marks will be assigned to the missed test. If you miss more than one test and/or the fourth test, you are required to write a makeup test for each except the first one.

The credibility theory is part of SOA Exam 4. Other courses for SOA Exam 4 are STA302, STA457 and ACT460. The simulation part is for SOA Exam 3. Other courses for SOA Exam 3 are ACT247, ACT348, ACT451 and ACT455.

There will be no class on January 30.