

# **MAT 400-SOA Exam P/1 Preparation, Spring 2009 Syllabus**

## **I. Basic Information**

1 hour credit

Prerequisites: MAT 213 and MAT 305, or equivalents

## **II. Course Professor**

Professor: Dr. Troy Riggs

Office: C-57

Phone: 661-5257

Email: [triggs@uu.edu](mailto:triggs@uu.edu)

Office Hours: TBA

## **III. Course Description & Objectives**

The student will review the fundamentals of probability and random variables, and will work exercises in the application of calculus and probability to problems in risk management. The primary purpose of this course is to prepare students for the Society of Actuaries' Exam P/1-Probability examination. The secondary purpose of this course is to ensure that students are sufficiently prepared to be successful in the actuarial mathematics sequence (MAT 401, MAT 402).

## **IV. Method of Instruction**

This course is taught 'seminar style,' meeting once a week, with students doing most of the preparation outside of the classroom.

## **V. Required Text & Supplies**

*ACTEX Study Manual SOA Exam P CAS Exam 1(2009 Ed.)*, by Samuel A. Broverman (ISBN-13: 978-1-56698-678-6). This text is available at [actexamdriver.com](http://actexamdriver.com). A TI-30X II(S or B), BA-35, or BA II Plus calculator is also required. (Graphing calculators are **not** permitted for this exam.) The student must also register for Exam P/1 (\$175 fee).

## **VI. Method of Evaluation**

A passing course grade will be awarded to any student who misses no more than 3 class meetings, scores at least a 70% average on the weekly quizzes, registers (deadline April 2, 2009) and sits (May 12-21, 2009) for the spring Exam P/1. The student will need to submit a copy of his/her registration confirmation to the instructor by April 8th. All information will be kept confidential. The student can register online at <http://www.beanactuary.org/exams/cbt.cfm>.

## **VII. Attendance & Participation**

Regular attendance and class participation is expected of all students. Any student who misses class an excessive number of times will be reported to the Academic Center. Please note that all students are expected to be on time for class.

## **VIII. ADA Compliance**

In compliance with the Americans with Disabilities Act, appropriate accommodations will be made to meet documented student needs. It may also be advisable for the professor to schedule help sessions with himself and/or other tutors. Please inform the professor about your individual needs immediately following the first class meeting.

## **IX. Statement on Cheating and Plagiarism**

No forms of cheating will be tolerated. If the professor observes cheating by a student during an exam, the student will receive a grade of zero for that exam and a report will be sent to the offices of the Dean of the College of Arts and Sciences and the Provost.

## **X. Course Outline**

We will move as quickly as possible from the review material into practice problems. There will be times when we discover the need for a lecture on a topic, but most of the topics have been covered in the prerequisite courses, so the instructor will focus primarily on answering specific questions about practice problems, as well as giving advice on actuarial test-taking strategies.

## **XI. Showing Work**

Answers without arguments are mere opinion. You must show your work to receive full credit. If your answer is incorrect you will receive partial credit based on the work shown.