Instructor: Slobodan Simić
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Email: simic@math.sjsu.edu (best way to reach me)
Course web page: http://www.math.sjsu.edu/~simic/Fall09/Math70/70.html
Prerequisite: Satisfaction of the ELM requirement.
Office hours: TuTh 10:00–10:30, 11:45–1:00 & 1:45-2:30, and by appointment
Homework: Weekly. It is absolutely essential that you (at least attempt to) do all the problems.
No late homework will be accepted.
Tests: There will be a number of quizzes based on the homework. The dates will be announced a week in advance. There will be two midterms and a final exam. The exam schedule:

Midterm 1: September 24
Midterm 2: October 29
Final exam: December 14, 9:45-12:00

There will be no make-up tests.

Grading policy: Homework 10%, Quizzes 10%, Midterms 40%, Final 40% + extra credit (= XC problems + participation).
I will drop your lowest quiz and homework scores, and weigh the midterms to favor the higher score.

Course objectives: To master a variety of topics in “finite mathematics”, including basics of counting principles, permutations, combinations, probability, expectation, conditional probability, Bayes’ formula, Markov chains, matrices, systems of inequalities, linear programming, and computing interest and present value of annuity.

GE Learning Objectives:

(a) Use mathematical methods to solve quantitative problems, including those presented in verbal form.
(b) Use mathematics to solve real life problems.
(c) Arrive at conclusions based on numerical and graphical data.

More generally, my goal is to foster your ability for clear, critical, and rigorous thinking.

**Participation:** I encourage and greatly appreciate students’ class participation and involvement. During (as well as outside of) class please feel free to stop me at any time and ask questions. You can earn up to five extra points for participation.

**Feedback:** I value constructive feedback, which you can provide in several ways: via the anonymous feedback form on the class web page, by email, or in person.

**Academic integrity:** From the Office of Student Conduct and Ethical Development: Your own commitment to learning, as evidenced by your enrollment at San José State University, and the University’s Academic Integrity Policy, require you to be honest in all your academic course work. Faculty are required to report all infractions to the Office of Student Conduct and Ethical Development. The policy on academic integrity can be found at [http://sa.sjsu.edu/student_conduct](http://sa.sjsu.edu/student_conduct).

**Campus policy in compliance with the Americans with Disabilities Act:** If you need course adaptations or accommodations because of a disability, or if you need special arrangements in case the building must be evacuated, please make an appointment with your instructors as soon as possible, or see them during office hours. Presidential Directive 97-03 requires that students with disabilities register with DRC to establish a record of their disability.

**Class attendance:** According to University policy F69-24, Students should attend all meetings of their classes, not only because they are responsible for material discussed therein, but because active participation is frequently essential to insure maximum benefit for all members of the class. Attendance per se shall not be used as a criterion for grading.

**Studying at a university:** Remember: you are no longer in high school. You have to toss out your high school notions of teaching and learning and replace them by university-level notions. Among other things, this means:

- Expect to have material covered at **two to three times** the pace of high school.
- It is **your responsibility** to learn the material. Lecture time is at a premium so it must be used efficiently. You cannot be taught everything in the classroom.
- The instructor’s job is to provide a framework, with some of the particulars, to **guide you in doing your own learning** of the concepts and methods that comprise the material of the course. It is not to “program” you with isolated facts and algorithms.
- You are expected to **read the textbook** for comprehension. Use pencil and paper to work through the material and to fill in omitted steps.
- Exams will consists of **fresh problems** based on the material that is being tested.

For more details, see the course web page.