Course: PROGRAMMING PARADIGMS AND LANGUAGES (CSc 600)

Instructor: Dr. Jozo Dujmović (English spelling/pronunciation: Yozo Dooy-mo-vich)
Office: Thornton 946, Tel. (415) 338-2207. Office hours posted on iLearn.
Web site: [http://ilearn.sfsu.edu/People/jozo/jozo.html](http://ilearn.sfsu.edu/People/jozo/jozo.html). E-mail: jozo@sfsu.edu

Prerequisite: Grade of C or better in CSc 413 and 510. Strict enforcement of prerequisites is the policy of CS Dept.


Recommended literature:

On-line: iLearn (http://ilearn.sfsu.edu/) – all communication with the class, administration of grades, and distribution of educational materials is based on iLearn. iLearn also includes a more detailed list of literature.

Goals: Learn programming paradigms, develop respectful and tolerant approach to various programming languages, learn to always recognize and support components of software quality, develop critical thinking in the software area, and prepare for a long professional life in a permanently changing computational problem solving area.

After completing CSc 600 students can write in their resumes “I am familiar with SW development using procedural, logic, functional and object-oriented programming paradigms.”

Contents:


Grading: After the first three segments there will be homework entitled “Preparation for midterm exam” followed by a midterm exam. At the end of course there will be a homework entitled “Preparation for final exam.” The final exam is offered according to SFSU schedule. All grades are in the range from 0 to 100%. Following is the distribution of points: HW preparation for midterm: 5%. Midterm exam: 35%. HW preparation for final: 5%. Final exam: 55%. Total points are P = 0.05*HW1 + 0.35*MT + 0.05*HW2 + 0.55*FE. In order to pass this class, each of five segments must have a positive grade. The safe passing level is P > = 60%. The final grades and passing decisions significantly depend on the final ranking in the class and the presence of segments that are graded close to the failing level; we expect a uniform distribution of segment grades. CSc 600 is not a prerequisite for other classes, and consequently the minimum acceptable passing grade is D-.

Attendance: The attendance of lectures is mandatory if you intend to pass the class.

Homework: Homework is designed to develop programming skills in various languages and to prepare for exams.

Notes: Please take notes in the class. Class notes are very useful for preparing for exams.

Effort: Approximately 1-2 hours of work every day during the semester. Do not enroll in 600 if your schedule does not provide at least 1 hour for 600 work each day. CSc 600 is the last mandatory programming class and it assumes programming maturity. You have to quickly learn three new and very different languages and write programs using language processors that you have to download and install on your machines.

Copyright: All material used and distributed in the course, including all homework and exams, is copyrighted. Its unauthorized redistribution and/or posting on the Internet are piracy that is illegal and prohibited.

Smartphones: The use of smartphones (or the use of computers for email and similar activities) during lectures is rude, disturbs the instructor, and will not be tolerated in CSc 600.

Addendum: According to SFSU Academic Senate Policy S15-257, all students are requested to read the Addendum to Course Syllabi posted on iLearn next to the Syllabus. The Addendum specifies disability access, and student disclosures of sexual violence.