Class Syllabus – CS 10A – Section 0589
Santa Rosa Junior College || FA22

Instructor: **Allen Zhao**, azhao@santarosa.edu
Lecture: Mon. 6pm – 9pm, Maggini 2806
Lab: Wed. 6pm – 9pm, Maggini 2806
Office Hours: Tues. 4:00pm – 5:30pm, [Online, In-Person by request]

Course Description and Requirements:

CS 10A is an introductory course on programming in C++. Students will learn how to design, write, and debug code for various applications in problem solving and automation. Students are expected to have basic computer knowledge and use skills, but no prior knowledge in computer science is assumed. Students are recommended to have an understanding of math equivalent to Algebra II (i.e. MATH 155 at SRJC). There is no standard programming tool used in this class, but this class will support the use of Code Blocks and Visual Studio, and the instructor will teach programming using a Linux Terminal shell and the GCC/G++ compiler. Students are encouraged to use the tool they are most comfortable with.

All course material will be posted to the class Canvas site. A textbook will be provided through Canvas:

> **Starting Out with C++: From Control Structures to Objects (9th Edition)** by Tony Gaddis
> Most class content will be from Chapters 1-10 of the text. Additional topics may be covered.

Class Rubric:

Homework – 30%
> Programming assignments to be submitted online. Extra credit will occasionally be available.

Lab Assignments – 30%
> These are guided programming assignments to be completed during lab time weekly. Instructor can check off these assignments in class to automatically grant the student full score.

Worksheets – 10%
> These are handouts for practicing computer science topics. Six worksheets total.

Midterm – 15%
> A single in-class exam that reviews and tests concepts covered on the worksheets to date.

Final – 15%
> May be in the form of either a traditional exam or a programming challenge. Both are in-class.

Class and Submitting Assignments:

Class will meet on SRJC campus. Office Hours are held via Zoom, the meeting link to which will be provided through Canvas. All course content will be posted to Canvas. This includes slides, assignments, resources, and solutions. Solutions will be posted online 1-2 days after the late submission period passes (see below). All homework and worksheet assignments are to be submitted through Canvas, where on-time and late deadlines will be posted. Lab assignments can be checked off by the instructor during the lab period for full credit, and no online submission is necessary. Students who do not have their labs checked off will be asked to submit their labs online the same way other assignments are submitted. For lab assignments, manual check off by the instructor is encouraged to receive additional feedback.

Assignment Extensions and Excused Work:

Assignment deadlines will be extended in the event of unforeseen circumstances such as natural disasters or instructor's absence. Students may also request deadline extensions from the professor if given probable cause, such as illness, accidents, family emergencies, or hospital stays. Assignments can be excused entirely on a case-by-case basis via direct request to the instructor over email if given probable cause. No official documentation is required unless explicitly requested by the instructor.

Late Work Policy:

Late assignments will be deducted 10% of the max score from the student's score for every 24-hour period past the original due date as specified on Canvas. For example, on a 10-point assignment due Wednesday night, the score will automatically lose one point if turned in any time on Thursday, and two points if turned in any time on Friday. After 48 hours past the original due date, the assignment is deemed missing, and can no longer be submitted via Canvas.

Missing Work Policy:

Missing assignments are any assignments that are not submitted within the assignment's availability window as seen on Canvas. At any time, missing assignments can be resubmitted to the instructor via email for up to 50% credit returned. Students are requested to limit one assignment's worth of files per email sent. There are no limits on how many times students may utilize this policy. The only deadline on this policy is that all submissions must be made before the end of Finals Week. By the way, for reading this far, I'll give a one-time extra credit on your next assignment with the password "fish paste", but only to the first two people. Extra credit assignments are not eligible for returned credit via this policy.

Attendance Policy and Student Expectations:

Attendance will not be taken for this class. Students are responsible for their own learning and can leave freely at any time without consulting the instructor should any personal issues arise. No penalties are given for leaving or for being absent. Students are also responsible for handling their drop status in the class after the initial census period. Students are encouraged to engage with other students both during class time and online via the Canvas Discussion forums outside class hours. Students are to treat each other with common courtesy and respect. Students are also encouraged to ask the instructor any questions in class and over email, especially if it concerns compiling errors. Students with special needs can request accommodations as long as they have an official ADA letter specifying their needs.

Letter Grade Policy:

The grading rubric as shown on the previous page is used to calculate the student's raw score. Grading curves will be applied to both exams, and another curve will be applied to the student's overall grades should the class average fall below 80%. Class letter grades as seen on Canvas are only a rough estimate of the student's current grade. The final letter grade seen on Canvas is not necessarily the final letter grade given to the student on their transcript, which will only be determined after all assignments have been graded. Letter grades will never be lower than what's shown on Canvas as a result of the curves. For students using P/NP, P is defined as any grade equal to C- or above, and NP is defined as anything below C-. The raw percentage cutoff for a P or C- after all curves have been applied is 70%.