

San José State University
Science/Computer Science
 CS 49C Programming in C

Instructor: Dr. Tsau Young Lin
 Department: Computer Science
 College of Science, San Jose State University.
 Spring Semester, 2016

Course Title:	Programming in C						
Course Code:	CS 49C						
Class meeting :	Course	Section	Room	Begin Time	End Time	Day	Unit
	CS 49C	4	SCI311	19:30	20:45	TTh	3
Office Hours:	MW17:15-18:00; 20:45-21:15						
Office Location:	MH 214						
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2. Specific course information:

a. Catalog Description:

Beginning course in the C language. Prerequisite: Previous programming experience and completion of math GE.

b. Prerequisite: Previous programming experience and completion of math GE.

c. SJSU classes are designed such that in order to be successful, it is expected that students will spend a minimum of forty-five hours for each unit of credit (normally three hours per unit per week), including preparing for class, participating in course activities, completing assignments, and so on. More details about student workload can be found in [University Policy S12-3](http://www.sjsu.edu/senate/docs/S12-3.pdf) at <http://www.sjsu.edu/senate/docs/S12-3.pdf>.

University Rules

NOTE that [University policy F69-24](http://www.sjsu.edu/senate/docs/F69-24.pdf) at <http://www.sjsu.edu/senate/docs/F69-24.pdf> states that “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.”

Note that “All students have the right, within a reasonable time, to know their academic scores, to review their grade-dependent work, and to be provided with explanations for the determination of their course grades.” See [University Policy F13-1](http://www.sjsu.edu/senate/docs/F13-1.pdf) at <http://www.sjsu.edu/senate/docs/F13-1.pdf> for more details.

3. Textbook

No Text: Lecture notes on C-languages

4. Supplemental reference:

- B. W. Kernighan, D. Ritchie, The C programming Language. Second Edition, Prentice-Hall software series, 1988, ISBN 0-13-110362-8; ISBN 9-13-110370-9
- J. R. Hanly & E. Koffman, Problem Solving and Program Design in C, Pearson , 2016

5. Specific goals for my sections:

- a. student learning outcomes: Upon successful completion of this course, students should have overall knowledge of the following:
 1. An ability to apply knowledge of computing and mathematics to solve problems
 2. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution
 3. An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs
 4. An ability to function effectively on teams to accomplish a common goal
 - 5.. An ability to use current techniques, skills, and tools necessary for computing practice
- b. Programming outcomes:
 1. to use C Language to solve simple problem
- c. **Detail Requirements**
 1. Projects: Lear to understand a Large Program by running it.
 2. Exams: 4 exams
 3. Quizzes: Many unscheduled quizzes. Missing quizzes (up to 4 quizzes) can be made up by attending public technical talks sponsored by professional organizations, such as IEEE, ACM,AMS, and etc.
 4. Homework: Short C-programs to enhance the understanding of lectures
 5. Class Participation: Present some interesting topics in class, give some demos of short programs, or explaining hard home works in class will be properly awarded.

6. Tentative course calendar including assignment due dates, exam dates, date of Final exam

Course Plan

Weeks	Lectures & Assignments
1	Introduction to C
2	Introduction to C
3	Expressions
4	Expressions
5	Statements and Control Flow, Functions
6	Statements and Control Flow, Functions
7	Aggregate Data Type(array, string, arrays, pointers

8	Aggregate Data Type(array, string, arrays, pointers
9	Aggregate Data Type(array, string, arrays, pointers)
10	Spring Recess
11	Aggregate Data Type(structures, pointers to structures)
12	Aggregate Data Type(structures, pointers to structures)
13	The C Environment (conditional compilation, streams, I/O)
14	The C Environment (conditional compilation, streams, I/O)
15	The C Environment (conditional compilation, streams, I/O)
16	Unix System Program
17(5/16)	Last Day of Class
18(5/18-24)	Final Exam: Section 4: May 24: 1715-1930

5. Grades

Projects & home works	30%
Exams	30%
Quizzes(Class average set 80 linearly)	10%
Final Exam	30%
Total	100%
90-92; 93-96;97-	A
80-82; 83-86;87-	B
70-72; 73-76;77-	C
60-62; 63-66;67-	D
<60	F

6. Dropping and Adding

Students are responsible for understanding the policies and procedures about add/drops, academic renewal, etc

7. University Policies

General Expectations, Rights and Responsibilities of the Student

As members of the academic community, students accept both the rights and responsibilities incumbent upon all members of the institution. Students are encouraged to familiarize themselves with SJSU's policies and practices pertaining to the procedures to follow if and when questions or concerns about a class arises. See [University Policy S90-5](http://www.sjsu.edu/senate/docs/S90-5.pdf) at <http://www.sjsu.edu/senate/docs/S90-5.pdf>. More detailed information on a variety of related topics is available in the [SJSU catalog](http://info.sjsu.edu/web-dbgen/narr/catalog/rec-12234.12506.html), at <http://info.sjsu.edu/web-dbgen/narr/catalog/rec-12234.12506.html>. In general, it is recommended that students begin by seeking clarification or discussing concerns with their instructor. If such conversation is not possible, or if it does not serve to address the issue, it is recommended that the student contact the Department Chair as a next step.

Dropping and Adding

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester's [Catalog Policies](http://info.sjsu.edu/static/catalog/policies.html) section at <http://info.sjsu.edu/static/catalog/policies.html>. Add/drop deadlines can be found on the current academic year calendars document on the [Academic Calendars webpage](http://www.sjsu.edu/provost/services/academic_calendars/) at http://www.sjsu.edu/provost/services/academic_calendars/. The [Late Drop Policy](http://www.sjsu.edu/aars/policies/latedrops/policy/) is available at <http://www.sjsu.edu/aars/policies/latedrops/policy/>. Students should be aware of the current deadlines and penalties for dropping classes.

Information about the latest changes and news is available at the [Advising Hub](http://www.sjsu.edu/advising/) at <http://www.sjsu.edu/advising/>.

Consent for Recording of Class and Public Sharing of Instructor Material

[University Policy S12-7](http://www.sjsu.edu/senate/docs/S12-7.pdf), <http://www.sjsu.edu/senate/docs/S12-7.pdf>, requires students to obtain instructor's permission to record the course and the following items to be included in the syllabus:

- “Common courtesy and professional behavior dictate that you notify someone when you are recording him/her. You must obtain the instructor's permission to make audio or video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material.”
 - It is suggested that the greensheet include the instructor's process for granting permission, whether in writing or orally and whether for the whole semester or on a class by class basis.
 - In classes where active participation of students or guests may be on the recording, permission of those students or guests should be obtained as well.
- “Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent.”

Academic integrity

Your commitment, as a student, to learning is evidenced by your enrollment at San Jose State University.

The [University Academic Integrity Policy S07-2](http://www.sjsu.edu/senate/docs/S07-2.pdf) at <http://www.sjsu.edu/senate/docs/S07-2.pdf> requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development website](http://www.sjsu.edu/studentconduct/) is available at <http://www.sjsu.edu/studentconduct/>.

Campus Policy in Compliance with the American Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. [Presidential Directive 97-03](http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf) at http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf requires that students with disabilities requesting accommodations must register with the [Accessible Education Center](http://www.sjsu.edu/aec) (AEC) at <http://www.sjsu.edu/aec> to establish a record of their disability.