

San José State University
Department of Computer Science
CS 190/190I, Internship Project, Summer 2020

Course and Contact Information

Instructor:	Rula Khayrallah
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Office Hours:	Friday 9:00-10:00 AM
Class Days/Time:	Friday: 1:00-2:00 PM (190) / 1:00-3:45 PM (190I)
Prerequisites:	CS 146 (with a grade of "C-" or better) or graduate standing, selection by a company, and instructor consent

Course Format

This course will be conducted over Zoom as a series of collaborative and interactive activities. In addition to career and job preparation guidelines from the instructor, students will share their internship experiences for peer learning purposes.

Canvas Course Site

Course materials such as syllabus, lecture notes and assignments can be found on the [Canvas Learning Management System course website](http://sjsu.instructure.com) at <http://sjsu.instructure.com>. You are responsible for regularly checking with Canvas to learn of any updates.

Course Description

Work on an approved semester-long paid project at an industrial site. Meet once per week. Progress reports, oral presentations, final report, and evaluation by project supervisor will be used to demonstrate the acquisition of skills identified as goals prior to the start of the assignment.

Course Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.

The above learning outcomes are provided by ABET (<http://www.abet.org/>) for CS programs under the URL <https://www.abet.org/accreditation/accreditation-criteria/criteria-for-accrediting-computing-programs-2019-2020/#GC3>.

Textbook

No textbook is needed. Class material will be posted on the Canvas course site.

Course Requirements and Assignments

Initial Overview Presentation:

Students will present an overview of their company and team and outline their specific job responsibilities, their short-term objectives and their long-term professional goals.

All students are encouraged to learn different company and job culture and provide constructive feedback.

Technical Presentation:

Students will present what they do in their internship. This includes process and plans, software tools used and deliverables. All students are encouraged to learn different processes and technical tools and provide constructive feedback.

Weekly Participation:

All students are required to participate in the Q&A discussion after each presentation.

Final Technical Report (CS 190I):

CS 190I students will submit final written report to describe their job, challenges and ethical issues at work, as well as a self-evaluation and a reflection on what could have been done better.

Final Examination or Evaluation:

The final evaluation will be based on the evaluation from your manager and, for CS 190I students, on the final report.

Grading Information

Determination of Grades

The final grade in the course will be calculated based on the following percentages:

	CS 190	CS 190I
Initial Overview Presentation	25%	15%
Technical Presentation	40%	25%
Final Evaluation by manager	20%	20%
Weekly Participation:	15%	10%
Final Technical Report	N/A	30%

Grade Scale

The letter grade will be determined based on the following scale:

A = 93% - 100%

B+ = 87% - 89%

C+ = 77% - 79%

D = 60% - 69%

F = below 60

A- = 90% - 92%

B = 83% - 86%

C = 73% - 76%

B- = 80% - 82%

C- = 70% - 72%

Classroom Protocol

You are expected to join the class on Zoom on time and contribute to the discussion.

University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs' [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at <http://www.sjsu.edu/gup/syllabusinfo/> . Make sure to review these policies and resources.

CS 190/190I, Internship Project, Summer 2020, Course Schedule

Please note that this schedule is subject to change with fair notice. Any changes will be announced in class and posted on the Canvas course site.

Course Schedule

Week	Date	Topics
1	June 5	Course Logistics, Introductions Tips for Internship Success
2	June 12	Goals, Objectives and Benchmarks Initial Overview Presentation from selected students
3	June 19	Teams and Company Culture Initial Overview Presentation from selected students
4	June 26	Networking Initial Overview Presentation from selected students
5	July 3	Holiday
6	July 10	Behavioral Interview Initial Overview Presentation from selected students
7	July 17	Technical Interview Technical Presentation from selected students
8	Jul 24	Portfolio, Elevator Pitch Technical Presentation from selected students
9	July 31	Evaluation, Next Steps Technical Presentation from selected students
10	August 7	Technical Presentation from selected students Submission of Final Report and manager evaluation (direct from manager)