Topics in Cloud Computing Section 01
CS 218

Spring 2025   In Person   3 Unit(s)   01/23/2025 to 05/12/2025   Modified 01/27/2025

👤 Contact Information

Lecturer: Mr. Narayan Balasubramanian

- Email: narayan.balasubramanian@sjsu.edu
- Office: Duncan 282

Office Hours

Monday, Wednesday, 4:30 PM to 5:30 PM, Duncan 282

🕐 Course Information

Lecture

Monday, Wednesday, 6:00 PM to 7:15 PM, MacQuarrie Hall #222

Detailed Schedule

[Google Sheet outlining Schedule (https://docs.google.com/spreadsheets/d/1rKWodhZGn1PZYRSdt6bWsXFtGmx-rkOh5nEvnpL_Uw8/edit?gid=0#gid=0)](https://docs.google.com/spreadsheets/d/1rKWodhZGn1PZYRSdt6bWsXFtGmx-rkOh5nEvnpL_Uw8/edit?gid=0#gid=0)

💻 Course Description and Requisites

Topics in cloud computing, including distributed system models, virtual machines, virtualization, cloud platform architectures (IaaS, PaaS, SaaS), service-oriented architectures, cloud programming and software environments, peer-to-peer computing, ubiquitous cloud, cloud security and trust management.

Prerequisite(s): CS 149 and Graduate standing. Allowed Declared Major: Computer Science, Bioinformatics, Data Science. Or instructor consent.

Letter Graded

✳ Classroom Protocols

You are expected to attend classes. If you cannot attend, it is your responsibility to get a copy of the lecture notes and class announcements from a reliable classmate. The instructor reserves the right to ignore frivolous or inappropriate e-mail inquiries. Students are expected to participate actively to provi

☰ Course Requirements and Assignments

Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of 45 hours over the length of the course (normally three hours per unit per week) for instruction, preparation/studying, or course related activities, including but not limited to internships, labs, and clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus.

1. **P ec** : There will a final project that students will have to demo to the entire class. Students can work in groups of at most 3 individuals.
2. **E a** : There will be one midterm and one final exam.
3. **Q e** : There will be several and each will be counted as a HW.
4. **H e** : Each homework is usually centered around an application and can have both written and programming parts.
5. **Pa e** : Students will have to read published papers and summarize them.

✔ Grading Information

Criteria

Course weightings will be as follows: v ill b+er i a

B-	80%-83%
C+	77%-80%
C	73%-77%
C-	70%-73%
D+	67%-70%
D	63%-67%
D-	60%-63%
F	0%-60%

Your course grade will be determined by your final weighted average:

Boundary cases count as the higher of the two grades.

🏛 University Policies

Per University Policy S16-9 (PDF) (http://www.sjsu.edu/senate/docs/S16-9.pdf), relevant university policy concerning all courses, such as student responsibilities, academic integrity, accommodations, dropping and adding, consent for recording of class, etc. and available student services (e.g. learning assistance, counseling, and other resources) are listed on the Syllabus Information (https://www.sjsu.edu/curriculum/courses/syllabus-info.php) web page. Make sure to visit this page to review and be aware of these university policies and resources.