



Course Requirements and Assignments

Homework will be given, but will not be graded. It is intended for self evaluation and will be the basis for future exams. I encourage students to work on homework in groups and discuss possible solutions together. We will take time at the beginning of each class to discuss any difficulties students have completing the homework.

We will be doing both individual and group programming assignments. You may turn in submissions 3 days late with a 10 point penalty. Submissions over 3 days late will not be accepted.

If students get help on assignments, even to resolve a stupid problem, it must be documented in the code with the name of the person rendering the help and a brief description of the help provided. Extensive help on a project will result in a reduced grade. Failure to document help, or any other forms of cheating will result in a failing grade on the assignment at a minimum and may result in failure of the course.

Group projects will also be a major component of this course. Using code from outside the group, including bringing code with you from a previous group, constitutes cheating. You may think 'in the real world there is open source, so this restriction is unrealistic!'. In the real world, you will probably work for a company. Bringing code with you from other companies or claiming open source code as your own can cause huge problems for you and your company. Even in open source, you cannot copy code from one open source project to another without attribution. Sharing solutions with other students, even if it is indirectly through public source repositories, falls under 'aiding and abetting!'

The [University Policy S169](http://www.sjsu.edu/senate/docs/S169.pdf), Course Syllabi (<http://www.sjsu.edu/senate/docs/S169.pdf>) requires the following language to be included in the syllabus:

“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 practice. Other course structures will have equivalent workload expectations as described in the syllabus.”

Final Examination or Evaluation

In place of a final exam, we will have a 'storm'. We will simulate a mass outage of the cluster; the storm evaluation score will be calculated based on the group's ability to recover from the storm.

Grading Information

Determination of Grades

Grades will be calculated by averaging the percentages of the average of group project grades, the individual project grades, the two mid semester exams, and the final. Thus, the grade distribution is 20% group projects, 20% individual projects, 20% exam1, 20% exam2, 10% ethics assignment, 10% storm

Exams will be administered using Respondus Monitor. Students must use webcams and do environment checks during the exam

97 and above	A+
92-96	A
90-91	A
88-89	B+
82-87	B
80-81	B
78-79	C+
72-77	C
70-71	C
68-69	D+
62-67	D
60-61	D
59 and below	F

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10	4/6/2021	VPN (Book 188)
10	4/8/2021	NAT (Chapter 7)
11	4/13/2021	NAT (UDP) (Chapter 7)
11	4/15/2021	DNS (Chapter 11)
12	4/20/2021	Load Balancing (section 11.6)
12	4/22/2021	Phase III ethernet from python
13	4/27/2021	ICMP (Chapter 8) (tracert, ping)
13	4/29/2021	IPv6 (Chapter 5) IPv6 neighbor discovery (85)
14	5/4/2021	Attacks (3.10, 4.11, 5.7, 6.6, 7.7, 8.7)
14	5/6/2021	Exam 2
15	5/11/2021	Public key/Certificate management
15	5/13/2021	Stomprep
Stom	Friday May 21, 2021	2:45PM