1 Introduction

This class is CSE 190: Introduction to Computer and Network Security. The class meets on Mondays, Wednesdays, and Fridays from 2:30pm to 3:20pm at SOLIS 110 (**Note**: this is a change from PETER 104).

2 Instructors and Office Hours

The instructor for this class is Dr. Bennet Yee. I just go by "Bennet". My official office hours are **as yet unspecified** in my office, AP&M 5141, but you should feel free to drop by at other times. If you come by outside of office hours without first making an appointment, I may ask you to come back later if I am busy, but I will otherwise make an effort to accomodate you. You may also email questions to me at `<cse190s@ieng9>` or `<bsy+cse190s@cs.ucsd.edu>`. My official office hours will be available on the class web page once my schedule is determined.

3 Class Non-goals

It is **not** a goal of this class to teach you to break into computers, violate other people's privacy, etc. Doing so is against University policy, and will result in an "F" grade for the entire course, in addition to any other University repercussions. I will also place a letter in your permanent records describing what happened.

4 Class Contents / Goals

In this class, you will learn basic computer security and cryptography concepts. I assume that you will have had some C programming, basic assembly language programming, systems programming concepts, and basic operating systems.

This course will cover security policy basics, common system security problems, some software engineering concepts, software testing methodologies, proofs of correctness of algorithms, access control concepts, protection mechanisms, some basic number theory, cryptography, and cryptographic protocols.

5 Textbook, Handouts, and Class Web Pages

There is no text for this course. You are not required to attend lecture or discussion section — no attendance will be taken — but you are responsible for **all** of the material covered, which includes everything in the lectures.

In addition to any class handouts, you are required to read the class Web page at

`http://www-cse.ucsd.edu/classes/sp98/cse190/`

Whenever possible, I will try to make only "virtual" handouts via the class web pages to avoid killing trees; these will often (but not always) include summaries of the lectures — you should take your own notes, since the summaries will appear only *after* the lectures and they may omit significant details. You should check the class web pages for new virtual class handouts regularly.

6 Grading

This course will **not** be graded on a curve. If all of you learn the material well, I will give everybody "A"s; conversely, if none of you learn the material at all, I will give everybody "F"s. Your grade will be computed from your marks in assignments, midterm, and final as follows:

Homework	30%
Midterm	30%
Final	40%

The assignments will not be all weighed equally; harder ones will be worth slightly more, easier ones slightly less. At the end of the quarter, I will tally up the scores and look for "natural breaks" in the distribution near where I think where the A/B borderline ought to be, etc.

You are encouraged to ask questions during lecture / discussion. The exact number of laboratory assignments is as yet undetermined; at least one will be a significant project which should require 3-4 weeks of diligent work. Homework hand-in will be done electronically by the `turnin` program. If you are unfamiliar with it, type in **`help instruct`** at the command prompt. Late turnin will be permitted, but you will lose 10% of the assignment's grade for each day it is late (e.g., if your work would have received 80 points out of 100 possible if it were not late, it would receive 72 points if it was 1 day late, and 64.8 points if it was 2 days late); an assignment may be late by **at most 2 days**. This means that if I asked for an assignment to be turned in prior to class on Monday, I can discuss it during lecture on Wednesday, since I will not accept any more late assignments by the time of the lecture.

6.1 Team Problems

Unless *explicitly* stated, all of the work must be done alone. Later in the course, some of the laboratory work may specify that you do it in a team. I'll specify team size etc if/when we have team projects. If you are unsure whether an assignment is a group project or not, **ask me**.

6.2 Cheating

The following is the class cheating policy. While almost all of you can be trusted to behave honestly and honorably, we need to be clear that cheating is unacceptable behavior for those few that may still be in doubt. Not only is it dishonorable and unfair to everybody else who work honestly for their grades, there will be serious repercussions.

If two or more students handed in assignments are determined to be copied from each other when I did not ask you to collaborate — or any other form of cheating occurs (e.g., inappropriately obtaining outside help on an assignment) — *all* of the students involved may receive an F grade for the *entire course* and be reported to your college Dean for administrative processing; committing acts that violate Student Conduct policies that result in course disruption are cause for suspension or dismissal from UCSD. **It is your responsibility to prevent others from copying your work.** See the General Catalog's section on UCSD Policy on Integrity of Scholarship for more details.

Because your are responsible for not letting others see your work, you should keep files in your account private. This means you should chose a good password and never share it with another person. Your files should not be readable to other students, and when you print things out, pick them up promptly. (An exception to file sharing occurs when you are asked to do a group project, of course.) The file permission defaults have been set up for you by ACS and are okay — don't change them! (Your directories should be protected against "other" access; the `cse190s` group access is for instructor/TA/graders' access, and you should leave that alone.)