1 Introduction

This class is CSE 227: Computer Security. The class meets on Mondays and Wednesdays from 4:40pm to 6:00pm at WLH 2112.

2 Instructor and Office Hours

The instructor for this class is Prof. Bennet Yee. I just go by "Bennet" or "bsy". Tentatively, my office hours are 4pm to 5pm on Tuesdays and Thursdays 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 can run the command "`finger bsy@play`" or "`finger bsy@mischief`" to check my idle time and see if I'm around first. You may also email questions to me at `bsy@cs.ucsd.edu`. When my schedule is finalized, if the office hours need to be changed, I'll announce it in class, and the new times will also be updated on the class web page.

3 Class Contents / Goals

In this class, you will learn about computer security topics, including setting up a security model, threat assessment, security policies, design and code verification, testing, some cryptography, web security, electronic commerce, and practical operating systems security issues. Depending on the class's interests and time availability, we may also discuss topics from some of the more recent security research areas.

The goal of the course is to prepare you to be security conscious when doing systems research and development, to do security or electronic commerce research, and to converse intelligently at Computer Science cocktail parties. To these ends, the course is organized around the presentation and discussion of security systems and reading research papers, which ranges from some older "classics" to more recent works, as well as some homework assignments and implementation projects.

I assume that you have the requisite undergraduate operating systems and basic theory background. If not, I encourage you to pick up an undergraduate textbook. Being more intelligent than the average undergraduate, you should be able to read the text in a few weeks and gain at least a reasonable (though perhaps not in-depth) understanding of the undergraduate material — enough to keep up with the course.

4 Textbook, Handouts, and Class Web Pages

There is no text for the course. The list of papers will be available via the class web page — look there for some advanced warning of what's coming next, as well as clarifications of material presented in class.

You should read the class Web page at

`http://www-cse.ucsd.edu/classes/sp99/cse227/`

periodically for extra "virtual" handouts, announcements, etc.

5 Grading

This course will **not** be graded on a curve. If all of you learn the material well, I will give everybody "A"s (or S); conversely, if none of you learn the material at all, I will give everybody "F"s (or U). Your grade will be computed from your marks for in class discussion and from your homework and project as follows:

Discussion	20%
Homework/Project	40%
Final Exam	40%

You are encouraged to jump in and ask questions during in-class discussion. Remember: if you're unsure about something, there are probably a couple other people in the class who are in the same situation.