1 Introduction

This class is CSE 121: Operating Systems Architecture and Implementation. The class meets on Tuesdays and Thursdays from 3:55pm to 5:15pm in WLH 2205. The discussion section meets on Mondays from 1:25pm to 2:15pm in CENTR 109.

2 Instructor and Office Hours

The instructor for this class is Prof. Bennet Yee. I just go by "Bennet" or "bsy", though "Prof. Yee" is fine too if being too informal bothers you. Tentatively, my office hours are 1pm to 2pm 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 accommodate you. You can run the command "`finger bsy@play`" from your Unix (OCE) accounts to check my idle time and see if I'm in my office first. You may also send me email at `<bsy+cse121.f00@cs.ucsd.edu>`. Try to remember to use that address, since I filter my mail by destination addresses, and class-related email sent to any other email address will likely be mis-filed and not looked at promptly. 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.

The TA for the course is Nam Nguyen. His email address is `nnguyen@cs.ucsd.edu`. His office hours are still T.B.A. — check the class web page.

3 Class Contents / Goals

In this class, you will learn about some topics on the design and implementation of the Unix kernel. This is distinct from application programming on Unix, but user-level systems programming and the system calls will be briefly covered since how the system is used motivates the kernel's design.

Assignment 0: *Think about what you'd like me to cover.*

We will adopt an experimental approach to learning about the operating system. This means that sometimes I'll ask you to find out how things work by writing test programs. Many of the details will *not* be available in any book or manual; sometimes they won't be readily apparent even from reading the source code. While we will be studying the FreeBSD kernel sources, we will be using the Solaris operating system (derived from the BSD kernel just like FreeBSD is) via your OCE accounts, so we *won't* have source code access.

4 Textbook, Handouts, and Class Web Pages

The text for the course is *The Design and Implementation of the 4.4BSD Operating System*. Additionally, I'll put more info in the class web page — look there for a 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/fa00/cse121/`

periodically for extra "virtual" handouts, announcements, etc. You should check this page *at least* once between lectures, if not more often.

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). For upper division courses, the average grade is usually somewhere around a B or B+. Your grade will be computed from your scores from your homework, midterm, and final exam approximately as follows:

Homework/Project	30%
Midterm	30%
Final Exam	40%

Note, however, that even though I'm not grading strictly based on a bell curve, it doesn't mean that I'm grading based on a strict 90%/80%/etc cut-offs either. While I try to pretest my exams and homework projects, they aren't calibrated *that* exactly, and I may change the weights and/or scale the scores according to how difficult they actually turn out to be.

Unless explicitly specified otherwise, you **must** do your homework / projects by yourself. You may discuss high-level ideas with your study partners, but the code that you write must be your own.

6 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 in case there are some who are still be in doubt. Not only is it dishonorable and unfair to everybody else who work honestly for their grades, it is also against University Policy and 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 your computer accounts private. This means you should chose a good password and never share it with another person. Your course-related files should not be readable to other students, and when you print things out, pick them up promptly.

I advise you to create a subdirectory for your work for CSE 121. This subdirectory should be protected against "group" and "other" access (e.g., using the commands "`mkdir ~/cse121.f00`" and "`chmod o=- ~/cse121.f00`"), and put all of your files for CSE 121 within this subdirectory. The group owner of the directory should be `cse121` and having group `rx` and `r` permissions on your directories and files respectively will enable me and the TA to look at your work.

7 Speak UP!

You are encouraged to jump in and ask questions during in-class lectures/discussions. Remember: if you're unsure about something, there are probably several other people in the class who are in the same boat.

Cheating Policy

I have read and understood the class cheating policy (section 6 of this handout) for CSE 121, fall 2000.

Name: ________________________________ (print) Email: ________________ (print)

Signature: ____ Date:________________

Detach and return this page to the instructor.