Csci 132 Syllabus and Readings

The first six weeks of the course, approximately, cover the UNIX operating system[1]. The sequence of topics roughly follows the chapters from the SAMS Teach Yourself UNIX book. It is not strictly necessary to have this book as long as you have some reference that you can use to learn the material in depth as we cover the topics. There are many such books as well as many free online resources. We will cover the first ten chapters (hours) of the SAMS book before starting Perl. You will also learn about the concept of open source software, in part because UNIX is the progenitor of the modern concept of open source software, and in part because the future of software development, in my humble, but informed, opinion, lies in open source software. I will include some topics from later chapters, but not to a great extent, and I will give you warning when I do. When we start Perl programming, we will proceed in the order in which the topics are presented in the Perl textbook, deviating just a bit.

Week	Chapter	Major Topic	Slide Set
The following chapters are from the SAMS book, unless noted otherwise			
1	Chapter 1	Overview	Lesson 1
1	Chapter 2	Getting Started in UNIX	Lesson 2
2	Chapter 3	UNIX File System	Lesson 3
2	Chapter 4	Working with Files	Lesson 4
3	Chapter 10	Editing Files	Lesson 5
3	Chapter 5	Shell Scripts and More	Lesson 6
4	Prof. Weiss's notes	A Bit About Binary Numbers	Lesson 6
4	Chapter 6	Directory Manipulation	Lesson 7
5	Chapter 7	Viewing File Contents	Lesson 8
5	Chapter 8	Filters	Lesson 9
6	Chapter 9	Pattern Matching	Lesson 10
The following chapters are from the Perl book			
6	Chapter 1	Programming Concepts	Lesson 11
7	Chapter 2	Perl Basics	Lesson 12
7	Chapter 2	Perl Basics	Lesson 12
8	Chapter 3	An Example Perl Project	Lesson 13
8	Chapter 3	An Example Perl Project	Lesson 13
9	Chapter 4	Perl Data Types and Variables	Lesson 14
9	Chapter 4	Perl Data Types and Variables	Lesson 14
10	Chapter 5	Control Structures in Perl	Lesson 15
10	Chapter 5	Control Structures in Perl	Lesson 15
11	Chapter 9	Documenting Programs with POD	Lesson 16
11	Chapter 6	I/O, Text Processing, Patterns	Lesson 17
12	Chapter 6	I/O, Text Processing, Patterns	Lesson 17
12	Chapter 7	Functions and Scope	Lesson 18

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[1]You will learn about UNIX in general, and Linux in particular.

Week	Chapter	Major Topic	Slide Set
14	Chapter 8	References and Aggregate Structures	Lesson 20
13	Chapter 7	Functions and Scope	Lesson 18
13	Chapters 14 & 16	Using and Creating Modules	Lesson 19
14	Chapter 8	References and Aggregate Structures	Lesson 20