Topic: Welcome, Intro, Review

Approach: Outline, Dissect

Main Ideas:

                    Course goals
                    Course structure
                    Required preparation
                    C ideas
                    What is systems programming?
                    User level Unix
                    System Services

Outline:

                    How the Course Works

                    The Role of an Operating System
                      Manage use and access to resources
                      Creates an illusion of a dedicated machine

                    Unix from the User Perspective

                    Underlying Principles in Applications
                      Internet Bridge
                        Distributed, coordinated, communicating processes.
                        What are the basic elements of this architecture?

                      bc
                        what it does
                        how it does it

                      web browser
                        what it does
                        how it does it

                    Studying and Writing Our Own Versions of System Programs
                      more
                        file I/O
                        terminal I/O
                        process management
                        video control

Conclusions:

                    Naive picture of C programs
                    More complete picture of C programs
                    What is system programming
                    What is kernel programming