

EE345M Quiz 1 study guide

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Open book, open notes, calculator (no laptops, phones, devices with screens larger than a TI-89 calculator, no devices with a QWERTY keyboard, devices with wireless communication)

Lab Important Topics

25b. Solid state disk, SPI interface, debugging, address translation, layered software, file system

22b Audio recording and playback, analog circuits, FIFO queues, bandwidth, Nyquist, aliasing, critical sections

Chapter Topic

2 Modular, Layered, Device Drivers, Threads, Debugging

4 FIFO, interrupts, priority, latency, output compare periodic interrupts, periodic polling, critical sections

11 rail-to-rail op amps, high pass and low pass analog filters, DAC, ADC, single supply designs

12 range, resolution, precision, sampling rate, noise

15 digital filter implementation (lecture 7)

Best exams to study are Quiz1 Fall 2004, Quiz1 Fall 2005 and Quiz1 Fall 2006