

SILABUS PILIHAN TEKNIK KOMPUTER

Mata Kuliah	:	Sistem Operasi
Kode	:	E113918
Silabus	:	This course is is a programming-intensive OS class. The core experience is writing a small Unix-inspired OS kernel, in C with some x86 assembly language, which runs on a PC hardware. The core topics will stress on design principles which covers abstractions, processes and resources at computer systems. This course will also covers thread, processes, scheduling synchronization, memory allocation, virtual memory, system file, and inter-process communication. We will use MINIX (MINIX 3) which is a streamlined, simplified new edition remains the only operating systems text to first explain relevant principles, then demonstrate their applications using a Unix-like operating system as a detailed example. It has been especially designed for high reliability, for use in embedded systems, and for ease of teaching.
Luaran	:	Students can design and implement various parts of an Operating System.
Syarat/ PraSyarat MK Lain	:	Pemecahan Masalah dengan C
Alokasi	:	16 kali pertemuan
Sumber Pustaka	:	