

# UNIX/LINUX SYSTEM PROGRAMMING (1 WEEK)

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### COURSE CONTENT

- Overview of Unix / Linux
- Posix and system functions in Unix / Linux
- Disc organization and file systems of Unix / Linux
- IO operations
- Processes in Unix / Linux
- Serial communication operations
- Writing of Linux device drivers
- Communication between processes (common storage areas, message queues, pipes and semaphores)
- Security mechanisms in Unix / Linux
- Operations with threads
- TCP/IP socket communications
- Creating and using static and dynamic libraries
- Overview of Linux core codes
- GNOME and KDE desktop systems
- XWindows system
- Important configuration files on Linux
- And other topics