Course Outline:

Weeks	List of Topics
Lab-01	Introduction to Linux & Basic Linux Commands
Lab-02	Basic Linux Commands
Lab-03	Shell Programming/Scripting
Lab-04	Shell Programming/Scripting
Lab-05	System Call related to Process Management
Lab-06	Inter- Process Communication
Lab-07	Kernel Configuration
Lab-08	**Midterm Exam**
Lab-09	Multithread Programming in Pthreads
Lab-10	Creating a module in Kernel
Lab-11	Multithread Programming in OpenMP (shared memory)
Lab-12	Semaphores in Linux
Lab-13	Signals in Linux
Lab-14	**Revisions**
Lab-15	**Project Evaluations**
Lab-16	**Lab Final Exam**

Course Coordinator:

Dr. Ghufran Ahmed

Lab Instructor:

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Marks Distribution

Lab Activities	25%
Assignment	05%
Lab Mid exam	20%
Lab Final Exam	50%
Total	**100**

Deadline and Penalty

- After the deadline for each lab activities, there will be a penalty of 25%. If the lab activities submitted after first 48 hours, for each 48 hours it reduced to 25% hence there will be no marks after 8 days.
- Marks are only given if the submission passed plagiarism check and manual check.
- Plagiarism cases will lead to straight **F grade** as per university policy.