**Operating System**

**Lab Outline – Spring 2021**

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| **Lab 1 :** Introduction to Linux & Basic Linux Commands |
| **Lab 2:** Basic Linux Commands |
| **Lab 3:**Shell Programming/Scripting |
| **Lab 4:** Shell Programming/Scripting |
| **Lab 5:** System Call related to Process Management |
| **Lab 6:** Inter- Process Communication |
| **Lab 7:** Kernel Configuration |
| **Lab 8:** Mid Exam |
| **Lab 9:** 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: Final Exams** |