CS 330: Operating Systems

1. **Description**: The first introductory course on fundamentals of operating system kernels.
2. **Prerequisites**: ESC101, ESO207, CS220
3. **Course Contents**: Basics of OS functionality, system calls; Processes and process management, process scheduling, threads; Memory management, virtual memory; Synchronization; File systems; Protection mechanisms. For each topic, implementation case studies are drawn from the UNIX, Linux, Windows, and Solaris kernels.
4. **Lecture & Venue**: Tuesday, Wednesday, Thursday 8-9 AM RM101
5. **Office Hours**: usually by appointment; scheduled office hours for two days before exams
6. **Evaluation Components**: Exams: 20+35, Design exercises: 30, In-class quizzes: 15
7. **Course Policies**: Honesty Practices and Withdrawal – in accordance with the Institute and DOAA norms.