

Operating Systems - Lab

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Cyber-Physical & IoT Systems Design

Course timetable

Each lesson comprises of 3 hours

Part 1: 9:30 - 10:45

Break: 10:45 - 11






Part 2: 11 - 12

Lab course outline

1. Bash fundamentals + C development setup
2. Processes (fork, exec, wait)
3. Inter-process communication (IPC) Signal
4. Inter-process communication (IPC) Semaphores
5. Inter-process communication (IPC) Shared Memory
6. Inter-process communication (IPC) Pipe, FIFO
7. Threads

Course Material

- All necessary resource can be found on the course site

Calendario lezioni	
 Calendario delle lezioni 16.1KB PDF document Uploaded 28/09/23, 10:00	<input checked="" type="checkbox"/>
Streaming delle lezioni	
 Link zoom	<input checked="" type="checkbox"/>
Materiale didattico - Teoria	
 Slide delle lezioni	<input checked="" type="checkbox"/>
Materiale didattico - Laboratorio	
 Slide Lab	<input checked="" type="checkbox"/>
 Esercizi Lab	<input checked="" type="checkbox"/>

Exam

- Short programming project covering all the topics of the course
 - You only have to submit the code (no report is required)
 - Max 2-person per group
- Oral exam
 - I will ask questions on the code you submitted and the lab. topics
 - Warning: the lab exam will decide 50% of the final grade