



CMSC621 Advanced Operating Systems



Introduction



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Processes



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Communication

Dr. Kalpakis



CMSC 621, Advanced Operating Systems.



Introduction & Process Synchronization

Dr. Kalpakis

Course URL: <http://www.csee.umbc.edu/~kalpakis/courses/621>

Topics of this course

- Process synchronization
- Process deadlocks
- Architectures of distributed systems
- Theoretical foundations of distributed systems
- Distributed mutual exclusion
- Distributed deadlock detection
- Distributed file systems
- Distributed shared memory
- Distributed scheduling
- Resource security and protection
- Queuing theory and system performance modeling
- Selected topics



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Logical Clocks and Global State



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