# OS Basis – Process Management

## Definition of Process and Process model

## Process operations and states

## Threads model: Definitions, model and implementation

## Threads vs Processes

## Basis of Scheduling: Scheduler, Dispatcher, preemptive vs. non-preemptive, context switching

## Scheduling Algorithms

## Scheduling Criteria

## Scheduling Evaluation

# OS Basis – Memory Management

## Definition of address space

## Swap memory vs Virtual memory

## Virtual memory

### Mapping

### Address translation

### Page replacement

## Segmented memory

# OS Basis – File System