Operating Systems

Course Introduction

School of Computer Engineering
Iran University of Science & Technology

Semester 00-2

Outlines

- Lecturer Information
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- Grading Policy
- Prerequisites
- Review of Course Content
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Lecturer Information

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Teaching Assistants

- **Mohammadmostafa Rostamkhani** (Email: mo_rostamkhani97@comp.iust.ac.ir)
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Class Page on Quera

- All of the assignments, quizzes & projects will be uploaded in class page in Quera.
- Please join to the class in Quera:
  - https://quera.org/overview/add_to_course/course/10410
  - Password: **OS4002**

Grading Policy

- Assignments: 6
  - Practical: 3
  - Theoretical: 3
- Project: 3
- Midterm exam: 5
- Final exam: 5
- TA classes: 2

Sum: from 21

Midterm Exam

- Midterm exam will be held on:
  - Monday, Ordibehesht 18th, 9:00
- This date will not change!

Prerequisites

- For getting a good mark in this course:
  - Study the slides
  - Study the main reference
  - Participate in TA classes
  - Do assignments & projects carefully
  - Don’t fall behind!

Review of Course Content

- Introduction to Operating Systems
- Processes
- Threads and Concurrency
- CPU Scheduling
- Synchronization
- Deadlocks
- Main Memory
- Virtual Memory
- Mass-Storage Systems

References

- A. Silberschatz, P.B. Galvin, G. Gagne, "Operating System Concepts," John Wiley & Sons, 10th Edition, 2018 (main reference, *slides originally are from this book*).
- A.S. Tanenbaum, H. Bos, "Modern Operating Systems," Prentice Hall, 4th Edition, 2014.
- W. Stallings, "Operating Systems: Internals and Design Principles," Prentice Hall, 8th Edition, 1998.