

ICT 41203 Operating Systems

Introduction

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Nimal Skandhakumar

Education

- 2014 - PhD Information Security
Queensland University of Technology
- 2009 - BSc Eng Comp Science and Engineering
University of Moratuwa

From

- Jaffna - Haputale - Jaffna - Colombo - Australia - Colombo

Why learning Operating systems?

- Operating System is the foundation for all software
- Great programmers understand Operating System
- Software companies love Operating System students
- Academic research in Operating System is very influential

Course Contents

- Introduction to Operating systems
- Processes
- Threads
- Process Scheduling
- Process Synchronization
- Deadlocks
- Memory Management
- I/O Management
- File Management
- Protection
- (Unix/Linux Operating System)

Grading

Activities

Quiz, Homework, Class Participation

Final Exam

Percentages

30%

70%

Class Quiz

- Is it okay to do online?
- Does everyone have a Gmail account?
- Any other platform preferred?

Recommended Text

- **Modern operating systems**

by Tanenbaum, Andrew S; Bos, Herbert.

Edition: 4th

ISBN: 9789332575776

- **Operating system concepts**

by Silberschatz, Abraham; Galvin, Peter Baer; Gagne, Greg.

Edition: 9th

ISBN: 9788126554270

Office Hours

Monday 10:00 AM - 12:00 PM

If alternative times are preferred, let me know.

Lecture slides, etc.:

<https://academic.nimal.info/ict41203/>