



澳門理工學院
Instituto Politécnico de Macau
Macao Polytechnic Institute

School of Applied Sciences (BSc. in Computing)

COMP 213 (211/212) Operating Systems

Notes #0: About the Course

K. L. Eddie Law

Associate Professor

Academic Year 1st Semester, 2019-2020

About the Course

- What is an **operating system**?
- And... what not it is
- Examples of some operating system designs
- Studying designs of different components in an operating system
- Oh, for the course, “what the schedule of this course?”
- Interactions among us are important! Please ask questions

Note: Some slides and/or pictures prepared for this course are adapted from slides[©] from Stallings's, Silberschatz's, and Tanenbaum's books and some resources available online.

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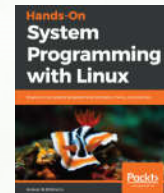
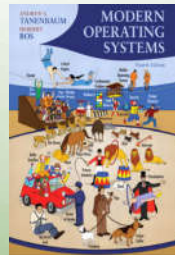
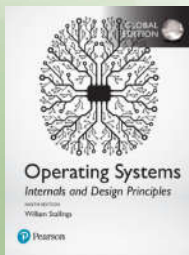
Course Information

- Instructor
 - Dr. Eddie Law
 - Office – M541
 - Email – eddielaw@ipm.edu.mo
 - Office hours:
 - Tuesdays
 - 10:30 am to 12:30 pm
 - 2:30 pm to 4:30 pm
 - Wednesdays
 - 10:30 am to 12:30 pm
- Class schedule
 - Section 21121:
 - Mondays 10 – 11:30 am
 - Thursdays 11:30 am – 1 pm
 - Venue: Room A318
 - Section 21221:
 - Tuesdays 11:30 am – 1 pm
 - Thursdays 10 – 11:30 am
 - Venue: Room A315
 - Final examination
 - 10 am – 1 pm, December 6, 2019

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Suggested Textbook and References

- Textbook
 - William Stallings, *Operating Systems – Internals and Design Principles*, 9th Ed., Pearson Education Inc., 2018
- References
 1. A. Silberschatz, P. B. Galvin, G. Gagne, *Operating System Concepts*, 10th Ed., John Wiley & Sons Inc., 2018 (Asian Edition is available)
 2. A. S. Tanenbaum, H. Bos, *Modern Operating Systems*, 4th Ed., Pearson, 2015
 3. K. N. Billimoria, *Hands-On System Programming with Linux*, Packt Publishing, 2018



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Grading & Marking Policy

- Final exam 40%
- Midterm test 20%
- Home work assignments 25%
 - 2 assignments with equal weights tentatively
- Project: group-based study report and presentation 15%
- **Penalty for late submission on homework and project report**
 - **5% (out of 100) penalty per working day late**

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Cheating and Plagiarism Policy

- Collaborations and brainstorming sessions are always encouraged
 - But **NO** plagiarism/copy
- Academic integrity
- Your own work
 - A zero tolerance policy towards cheating of any kind
 - Any student who cheats will get a failing grade in the course
- Both the cheater and the person who aided the cheater are held responsible for the cheating

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About the Course...

The learning outcomes of this course are to:

1. Demonstrate an understanding of the fundamental concepts and principles of operating systems
2. Analyze different approaches to operating system design
3. Explain different techniques used for different user needs
4. Compare and contrast the key characteristics of modern operating systems

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Let's have a short review about the history of computers next...

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