

# CSF2600505 Sistem Operasi CSGE602055 Operating Systems osXX: The Lecturer

Rahmat M. Samik-Ibrahim (ed.)

University of Indonesia

<https://os.vlsm.org/>

Always check for the latest revision!

REV201 22-Apr-2019

# Operating Systems 2019-1

A (Rm 3114) [Tu/Th 10-12] — B (Rm 3114) [Tu/Th 13-15] — C (Rm 3114)

[Tu/Th 16-18] — D (Rm 2401) [Tu/Th 10-12] — E (Rm 2306) [Tu/Th 13-15]

Week	Schedule	Topic	OSC10
Week 00	07 Feb - 13 Feb 2019	Overview 1, Virtualization & Scripting	Ch. 1, 2, 18.
Week 01	14 Feb - 20 Feb 2019	Overview 2, Virtualization & Scripting	Ch. 1, 2, 18.
Week 02	21 Feb - 27 Feb 2019	Security, Protection, Privacy, & C-language	Ch. 16, 17
Week 03	28 Feb - 06 Mar 2019	File System & FUSE	Ch. 13, 14, 15
Week 04	12 Mar - 18 Mar 2019	Addressing, Shared Lib, & Pointer	Ch. 9
Week 05	19 Mar - 25 Mar 2019	Virtual Memory	Ch. 10
Mid-Term	Tue, 26 Mar 2019	13:00 - 15:30 — MidTerm (UTS)	
Week 06	02 Apr - 08 Apr 2019	Concurrency: Processes & Threads	Ch. 3, 4
Week 07	09 Apr - 15 Apr 2019	Synchronization & Deadlock	Ch. 6, 7, 8
Week 08	16 Apr - 22 Apr 2019	Scheduling + W06/W07	Ch. 5
Week 09	23 Apr - 29 Apr 2019	Storage, BIOS, Loader, & Systemd	Ch. 11
Week 10	30 Apr - 06 May 2019	I/O & Programming	Ch. 12
Reserved	07 May - 17 May 2019		
Final	Tue, 21 May 2019	13:00 - 15:00 — Final (UAS)	This schedule is subject to change.
Extra	27 Jun 2019	Extra assignment confirmation	

# STARTING POINT — <https://os.vlsm.org/>

- ❑ **Text Book** — Any recent/decent OS book. Eg. (**OSC10**) Silberschatz et. al.: **Operating System Concepts**, 10<sup>th</sup> Edition, 2018. See also <http://codex.cs.yale.edu/avi/os-book/OS10/>.
- ❑ **Weekly**
  - ❑ Encode your **QRC** with size about 5cm x 5cm (ca. 400x400 pixels):  
**"OS191 CLASS ID SSO-ACCOUNT Your-Full-Name"**  
Write your Memo (with QRC) **every week**.  
See also Assignment#0: Generate your QR Code.
  - ❑ Login to [badak.cs.ui.ac.id](http://badak.cs.ui.ac.id) via [kawung.cs.ui.ac.id](http://kawung.cs.ui.ac.id) for at least **10 minutes** every week. Copy all weekly demo folders into your own badak home directory.  
Eg.: `cp -r /extra/Demos/* ~/mydemos/`
- ❑ **Resources**
  - ❑ **All In One** — [BADAK.cs.ui.ac.id:///extra/](http://BADAK.cs.ui.ac.id:///extra/) (**FASILKOM only!**).
  - ❑ **Download Slides and Demos from GitHub.com**  
<https://github.com/UI-FASILKOM-OS/SistemOperasi/>
  - ❑ **Problems** — <https://rms46.vlsm.org/2/>:  
195.pdf (W00), 196.pdf (W01), 197.pdf (W02), 198.pdf (W03),  
199.pdf (W04), 200.pdf (W05), 201.pdf (W06), 202.pdf (W07),  
203.pdf (W08), 204.pdf (W09), 205.pdf (W10).

# Agenda

- 1 Start
- 2 Schedule
- 3 Agenda
- 4 About and how to contact the Lecturer
- 5 The End (Ignore It)

# About and how to contact the Lecturer

- Rahmat M. Samik-Ibrahim
- Bekerja di Universitas Indonesia: sejak 1984<sup>1</sup>.
- Pengguna GNU/Linux: sejak 1994.
- VauLSMorg (vlsm.org): sejak 1996.
- Blog: <https://rahmatm.samik-ibrahim.vlsm.org/>
  - Blog: 2016/08/panggil-saya-rahmat.html
  - Blog: 2013/10/kumpulan-hal.html
  - Blog: 2011/08/ibu-ke-pasar-membeli-ayam.html
- (Almost) no social media!
  - Page Only: No need to be "**ADDED**"
  - You can "**Like**" it, "**Follow**" it, or "**Share**" it.

For Q & A, use WhatsApp Group **OperatingSystems**  
(info +62-881-456-XXXX)  
Email (Subject:[**HELP**]) [operatingsystems@vlsm.org](mailto:operatingsystems@vlsm.org)

<sup>1</sup>MDCCXXXIV — Universitas Goettingen didirikan: 1734

# TOP 10 REALITA

- 1 Nama saya **Rahmat**. Rahmat nama saya. Kalau bukan Rahmat, bukan nama saya!
- 2 Jangan datang lebih lambat dari pada Pengajar! Terdapat dua kesempatan untuk menyusul masuk kelas: T+15 menit dan setelah istirahat.
- 3 Jangan berisik/asyik sendiri dalam kelas dan jangan main "*games*" dan "*chat*" dengan "*gadget*" anda!
- 4 Jangan lupa mempersiapkan diri untuk berpartisipasi dalam kelas!
- 5 Jangan lupa membawa selembarnya (+QRC) untuk membuat memo kuliah!
- 6 Memo kuliah (+QRC) tersebut yang boleh dibawa saat UTS dan UAS.
- 7 Jangan curang!
- 8 Jangan meminjam peralatan selama kuis dan ujian!
- 9 Jangan menghubungi Pengajar untuk masalah Administratif!
- 10 Jangan menjadi "*Puss in Boot*"!

# Jangan menjadi Puss In Boot



Figure: Ini Puss in Boot<sup>1</sup>.

---

<sup>1</sup>This is a fair use of a DreamWorks/Paramount Picture character.

# The End (Ignore It)

## GAUDEAMUS IGITUR

Gaudeamus igitur. Iuvenes dum sumus. Post iucundam iuventutem. Post molestam senectutem. Nos habebit humus. Ubi sunt qui ante nos. In mundo fuere? Vadite ad superos. Transite in inferos. Hos si vis videre.

```
#include <stdio.h>
```

```
void main() {  
    printf("Vita nostra brevis est. Brevi finietur.\n");  
    printf("Venit mors velociter. Rapit nos atrociter.\n");  
    printf("Nemini parcetur.\n\n");  
}
```

- ☐ Vivat academia! Vivant professores!
- ☒ Vivat membrum quodlibet; Vivant membra quaelibet;
  - 「 Semper sint in flore 」.