



BUKU RANCANGAN PENGAJARAN (BPR)
MATA KULIAH
SISTEM OPERASI

oleh

Rahmat M. Samik-Ibrahim

Fakultas Ilmu Komputer

Universitas Indonesia

Pamulang, September 2020

******* DRAFT *******

Preface

This is the Operating Systems (OS202) Course Guideline, a BRP wannabe.

Jolan Tru!
Pamulang, September 2020

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1 General Information OS202

1. Course Level : S1 Regular, S1 International, S2 Matriculation
2. Course Name : Operating Systems
3. Course Number : CSGE602055
4. Credits : 4 Units (SKS)
5. ZOOM Schedule : Tuesday, 08:00 - 10:00 (English)
Tuesday, 10:00 - 12:00 (Indonesian)
6. Quiz Time Slot : Thursday, 09:00 - 11:00
7. URLs : SCELE: <https://scele.cs.ui.ac.id/course/view.php?id=3020>
OS: <https://os.vlsm.org/>
OSP: <https://osp4diss.vlsm.org/>
8. Lectures : Rahmat M. Samik-Ibrahim
9. Prerequisites : CSCM601252 Pengantar Organisasi Komputer or
CSIM601251 Dasar Dasar Arsitektur Komputer.
10. Teaching Method : The Feyerabend Method
11. References : Any recent / decent OS book. Eg. (OSC10) Silberschatz et. al.:
Operating System Concepts, 10thed., 2018. See also <http://codex.cs.yale.edu/avi/os-book/OS10>.
12. Course Description : (DRAFT) This course will explore the concepts of an operating system, especially GNU / Linux, with emphasis on the practical ability to implement and modify programs below the application layer. The students will be introduced to the various layers of implementation from an operating system, such as process management, file systems, IPC, network sockets, and kernel structure. The fields and assignments will use the C / C ++ language, as well as several scripting tools for manipulating files. After completing this course, students should be able to:
Describe and apply the concepts that build a computer system (which is formed from the interaction of hardware and software) and computer networks
Describe the components of an operating system, design, modify, and implement the operating system components.

2 TBA

TBA.