1 weekly

Exercises

Number of positions

CS-323	Introduction to operating systems				
	Zwaenepoel Willy				
Cursus		Sem.	Туре	Language of	English
Communication systems Computer science minor		BA6 E	Opt. Obl.	teaching Credits	3
HES - IN		E	Obl.	Obl. Exam	During the semester
				Workload	90h
				Weeks	14
				Hours	3 weekly
				Courses	2 weekly

Summary

Introduction to basic concepts of operating systems.

Content

Function and general structure of an operating system. Process management. Memory management. File systems. Virtualization and virtual machines.

Keywords

Operating systems

Learning Prerequisites

Required courses CS-206 Parallelisme and concurrency CS-207 Systems programming

Learning Outcomes

By the end of the course, the student must be able to:

• Manage key components of operating system

Teaching methods

Lectures and exercises.

Expected student activities

Attendance at lectures and completing exercises.

Assessment methods

Midterm and final during the semester. 50% midterm, 50% final.

Supervision

Office hours	Yes
Assistants	Yes
Forum	Yes

Resources

Bibliography

Operating Systems : Three Easy Pieces, R. Arpaci-Dusseau and A. Arpaci-Dusseau (free online book). Slides available on Moodle.

Ressources en bibliothèque

• Operating Systems : Three Easy Pieces / Arpaci-Dusseau

Références suggérées par la bibliothèque

Operating Systems Concepts / Silberschatz