# CS 416 and CS 518: Operating Systems Design (Fall 2024)

people.cs.rutgers.edu/~sk2113/cs416/index.html

### **CS Department, Rutgers -- The State University of New Jersey**

Welcome to CS 416 and CS 518 OS Design Course! This course will introduce you to the principles of Operating system design. The course will be a project-intensive course.

#### **Basic Information**

• Lecture: Mon, Wed; Time: 5:40pm - 7pm

Location: TIL-257 (Livingston)Instructor: Sudarsun Kannan

• Office: CoRE 311



• **CS 416 vs. CS 518** The course content and the syllabus is same for both classes. CS 518 (graduate) students would likely have additional components for exams, projects, and quizzes. In addition, CS 518 students will only have full letter grades (A, B, C, D, F).

### **FAQs**

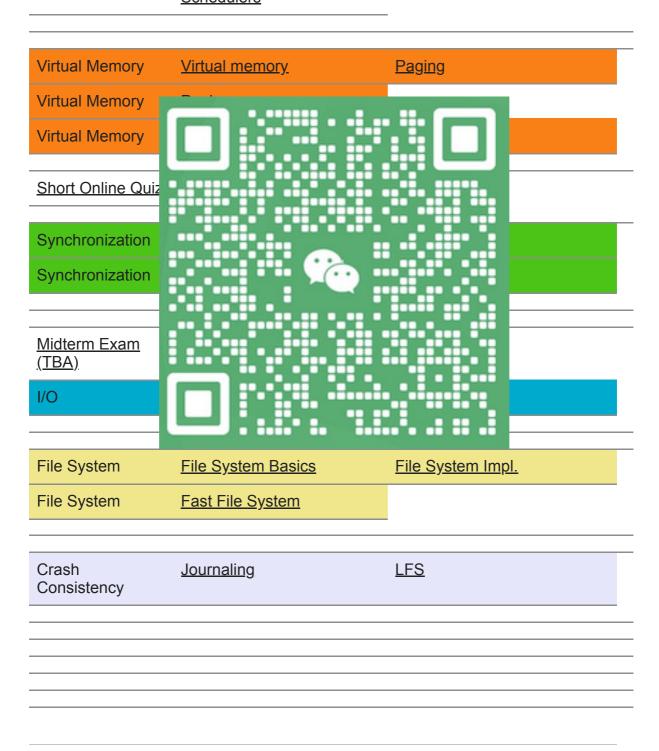
- Students are welcome to attend any of the three recitations.
- We will update FAQs as we encounter more questions.

#### Class News

## **Syllabus and Tentative Scheduler**

Virtualization	Intro [code]	CPU virtualization (Chapters 4, 5)
CPU Virtualization	CPU virtualization (chapters 5, 6, 7)	Warmup Project 1
Schedulers	Schedulers (chapters 7-11)	Schedulers Continued (chapters 7-11)

Short Online Quiz Virtualization and Schedulers



Distributed Systems	<u>MapReduce</u>	Google File System
Acclerators and Trends	<u>TBA</u>	<u>TBA</u>

Final Exam

