

CS 4348: Operating Systems

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The University of Texas at Dallas

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Preface

These are my notes for CS 4348: Operating Systems (Professor Partha De), taken during Spring 2024.

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Part I

Exam 1: TBA

Chapter 1

Week 01 Introduction

- 1.1 What is an Operating System**
- 1.2 What is the Kernel**
- 1.3 What is a Process**
- 1.4 What are System Calls**

Chapter 2

Week 02

- 2.1** What is a process
- 2.2** What are the process states
- 2.3** What is the PCB
- 2.4** How does Linux implement processes as a struct
- 2.5** How does CPU process context switching work
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- 2.18** What does the dispatcher do
- 2.19** What is dispatch latency
- 2.20** What are the process scheduling criteria
- 2.21** What is FCFS process scheduling

Chapter 3

Part II

Exam 2: TBA

Part III

Assignments

