

## Detailed Textbook Coverage

### Operating Systems, 3rd Edition Garry Nutt

Below is a **very** detailed description of what we will cover (or in fact skip) through the entire semester. However you should keep in mind that we are still very early in the semester. If any of the skipped chapters are to be added back, an update will be appended at the end of this file. So, you should regularly check the information/updates included in this file. Similarly, if any other sections are removed, this will also be indicated in the updated section below.

#### **Chapter 1:**

**Ignore:** VxWorks (page 33), Windows CE (page 36)

#### **Chapter 2:**

**Ignore:** using Files (page 48 until page 52), Using FORK/JOIN & QUIT (page 55 until the end of this chapter, including Lab Exercise (page 76))

#### **Chapter 3:**

**Ignore:** Linux (page 106 until the end of chapter)

#### **Chapter 4:**

**Ignore:** Memory mapped I/O (page 129 → 131), 4.7 & 4.8

#### **Chapter 5:**

**Ignore:** Linux device I/O (page 168), 5.4

#### **Chapter 6:**

**Ignore:** Linux process descriptor (page 214 & 215)

#### **Chapter 7:**

**Ignore:** Linux Scheduling (page 276 → 279)

#### **Chapter 8:**

Nothing to ignore.

#### **Chapter 9:**

**Ignore:** Nothing to ignore.

#### **Chapter 10:**

**Ignore:** The banker algorithm (page 392 → 395)

#### **Chapter 11:**

**Ignore:** Static address binding (page 422 → 429)

#### **Chapter 12:**

**Ignore:** Taking advantage of paging with IPC (page 489 → 494), The Multics segmentation (page 500 → 504)

**Chapter 13:**

**Ignore:** The Dos Fat file system (page 539 → 546), 13.7

**Chapter 14:**

**Ignore:** 14.4

**Updates: (Section that are added or removed and the date of these updates)**

<b><u>Updates</u></b>	<b><u>Date</u></b>