COP 2535: Data Structures

Readings 04

Readings

- Read *C++ Early Objects*, Chapter 5, 80 pages

- Read *Mastering Algorithms with C*, Pages 91 – 96, 6 pages

Note: Ths reading contains a description of LRU (*last recently used*) algorithm, which you will see when you study Operating Systems. This is an important algorithm, and you should understand the implementation for the exam. In particular, you should understand the body of the function `replace_page()`. The parameter for the loop contained in the function looks like this:

```
while( (Page *)(*current)->data)->reference != 0) { ... }
```

This contains a pointer to `data`, which in turn points to `reference`, and compares the value contained in `reference` to 0. We will conver tbis in chapter 10 of the C++ book.