OOP244 Lesson Outline: Weeks 5, 6 Dr. Peter Liu

A. Concepts

1. Operator Overloading: concatenation of an operator, use of an array parameter

2. Classes and Resources

- use of dynamic memory allocation

3. Memberwise (Shallow) Copying

- diagram

4. Proper (Deep) Copying

a) the copy assignment operator (=)

b) the copy constructor

c) diagram

5. the Valgrind Tool (g++ -g)

B. Code Examples (Blackboard)

employee.cpp, employee\_proper.cpp,

BUG\_employee\_mcopy.cpp, BUG2\_employee\_mcopy.cpp

C. Video Recording of the Lecture (BBB)

<https://help.blackboard.com/Collaborate/Ultra/Participant/Recordings#how-do-i-find-the-recordings_OTP-0>

E. Course Notes

<https://ict.senecacollege.ca/~oop244/pages/content/deepc.html>