

CS 216

Lecture 14

April 4<sup>th</sup>, 2014

*Administrivia*

# PA3 Questions

# Copy constructors

# Operator overloading

```
mt19937 mt;  
mt.seed( time(NULL) );  
  
int iRandom = mt();
```

(almost)

Everything is an  
expression

```
a << b;
```



Without an overload,  
    << is the left shift  
operator, and works on  
    ints.

But the use you're  
more used to is the  
insertion operator...

... which is  
overloaded by  
<iostream> classes

Overloading an  
operator lets *you*  
decide what it does.

There are a bunch  
of overloadable  
operators.

+ - \* / % ^ & |

~ ! = < > += -= \*= /=

%= ^= &= |= << >> <<=

>>= == != <= >= && ||

++ -- , ->\* -> () []

new delete new[]

delete[]

+ - \* / % ^ & |

~ ! = < > += -= \*= /=

%= ^= &= |= << >> <<=

>>= == != <= >= && ||

++ -- , ->\* -> ( ) []

new delete new[]

delete[]