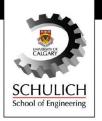


## ENSF 593/594

4 – A Few Recommendation on Programming Style

## A Few Recommendation



- Write short methods
  - Keep methods short.
- Keep lines short
  - Avoid lines longer than 80 characters, since they're not handled well by many terminals and tools.
- Classes start with uppercase letter
   public class SomeClass { ... }
- Constants use all caps
   public static final double SOME\_CONSTANT = 999;
- Everything else starts with lowercase letter
  - Instance variables, local variables, parameters to methods, package names

## A Few Recommendation



- Variables should be declared in the innermost block that encloses all uses of the variable.
  - E.g., if variable is only used inside if statement, declare it inside if statement.

```
    Good:
        if (...) {
            double d = fun1(...);
            fun2(d);
        } else {
                  // No use of d
            }
        Bad
            double d = 0;
            if (...) { ... } else { ... }
```

## A Few Recommendation



- Always use braces for selection or repetition statements
  - Even if there is only one thing to do

```
• Good
if (...) {
fun();
}
```

• Bad:

```
if (...)
fun();
```

- Exception
  - If there is only one thing to do and it is all on one line if (...) fun();