CSE 165/ENGR 140
Intro to Object Orient Program
Lecture 27 – Final Review
Announcement

- **Lab #11**
  - Due 5/12 at 11:59PM
  - Make sure to re-submit the mini-projects!

- **Final on Thursday (5/7)**
  - Last lecture of semester
  - Review and quiz TODAY

- **Final project is out (in UCMCROPS)**
  - Due date: 5/11 (Monday) at 11:59PM
  - Presentation date: 5/12 (Tuesday) at 3:00PM
Topics covered

- Basics
  - while / for loops, static variables, functions, etc
  - local and global scope, pointers, memory leak

- Classes
  - structs and classes, passing classes by value

- Inheritance
  - constructors and destructors, default and copy constructors
  - Polymorphism: virtual methods, virtual destructors, the “virtual table”

- OO Concepts
  - encapsulation, implementation hiding, class interface, abstract classes
Topics covered

- Dynamic Object Creation (new and delete)
- Static Classes and Name Spaces
- Constants & Inline Functions
- Operators
- Templates
- Exception Handling
- Multiple Inheritance
- Standard Library
  - String, generic algorithms, function objects, containers