Final Exam

- Time: 2:00 pm 3:40 pm, Dec. 14th, 2021
- Students registered for on campus study **must** attend the exam in the classroom
 - Only 2 students will attend online.
- Physical location: F405, F407, & F415 (more details to be announced)
- Online attendance: be sure to join Zoom at 1:45 pm to set up everything properly

Final Exam

- For physical attendance, no electronic devices are allowed
 - These include laptops and cell phones
 - We will show a clock on the screen
- For online attendance
 - Find the exam paper in the Quizzes page on Canvas
 - Sign pledge of honor and non-disclosure agreement in advance, which were emailed to the students.
 - No online searching and no discussion with other students
 - Two cameras: one shows your face and the other shows your body and screen
 - Make sure they have enough charge
 - Mute them
 - Other details also emailed to the students.

Final Exam

- Closed book and closed notes
- Written exam
 - A number of questions that only require you to provide short answers
 - A few questions that require you to write code on the paper. Be clear!

- Bring your student ID card for verification
- Abide by the Honor Code!

Topics

- Subtype and inheritance
- Virtual function
- Abstract base class (interface)
- Representation invariants
- Dynamic memory management and dynamic array
- Constructor taking default arguments and destructor
- Deep copy: copy constructor, overloaded assignment operator

- Linked list
- Template
- Container of pointers: one invariant and three rules
- Polymorphic container
- Operator overloading
- Stack and queue
- STL sequential container

Slide set 14 to Slide set 24 (Slide set 25 not included)