

CS 304 Object-Oriented Programming in C++ Summer 2005

The Final Exam Guideline August 8th, 2005 @ 1:30 – 4:00 pm CH 430

- 1) There are five parts in the final exam:
 - (a) Fill in the Blank
 - (b) True or False: answer the true/false based on the statements and **justify** your answer.
 - (c) Multiple Choice
 - (d) Listing: lists and describes key terms
 - (e) Short Answer: explain or compare concepts/terms or write C++ code

- 2) The final exam is based on the lectures we have covered this semester. The slides on the CS 304 website and the textbook are both required for preparing the final exam. Very few slides are not exactly correct. Please refer to the textbook if you have any hesitation. The correct solutions of the final exam will be based on the *textbook*.

- 3) Each lecture/topic will be covered in the final exam. The proportion of each topic is approximately based on the numbers of the hours of specific lectures.

- 4) Key concepts that will be covered:
 - (a) classes and structures
 - (b) object-oriented programming: inheritance and polymorphism
 - (c) operator overloading
 - (d) pointers and strings
 - (e) standard template library
 - (f) template

- 5) Misc: UML, performance tips and software engineering concepts for object-oriented programming *in the textbook*.