

CS 485 Exam 2 Review Topics

All the material in the Shalloway book
Vocabulary in particular is important.

No material found **only** in Meyers.

C++

- Enums
- Exceptions
- Namespace
- STL
- Double Dispatch
- Lambda

Any topic addressed via source code in CS485_Student_Examples.

UML

Be able to produce and read a UML diagram comparable to the UML diagram for Bank.

Design

- Strategy Pattern
- Factory Method/Abstract Factory Pattern
- Singleton
- Visitor

Define encapsulation

Given a UML diagram, explain if that is a good design. In particular, explain what is being encapsulated.

SOLID

Composition/Aggregation/Inheritance

What is an interface?

Cohesion & Coupling

Explain “program to the abstract”.

Abstract vs Concrete.