

Lab Test Guidelines
CS401 -Modern Programming Practices

1. Total points possible = 30. There will be one lab problem statement.
2. Bring a pencil, eraser, and a well-rested, well-nourished, coherent, alert, brain.
3. We follow DE test rules:
 - a. No translation devices
 - b. No cell phones (calls, messages, time, etc.)
 - c. Once you have seen the exam you cannot leave the room until you hand it in.
 - d. The test must be turned in by 12:00 noon.
 - e. No jeans. No T-shirts.
4. You will do your noun analysis and verb analysis and create a class diagram showing your classes, major attributes, major methods, and relations between classes. We show inheritance, associations with cardinality, direction, and labels. We show aggregation and composition as needed from our problem description.
5. You will show the relations at the level of pseudo-code.
6. You will show at least one use case scenario with a sequence diagram.
 - a.* Start the sequence diagram with an actor and the use case action
 - b.* All objects along the top of the diagram
 - c.* Show the messages/method calls between the objects
 - d.* Make the object active when it is receiving/sending messages
 - e.* You do not need to show all returns, but show enough to clarify the flow
 - f.* We show the success case for the midterm
 - g.* Add comments to clarify the success case or return values
7. There may be parts of the design (for example showing polymorphism) that may require some pseudo-code.