

## Program 0 Test CSI4321

### Code Review

Review all code. Here's a list of some problems:

- 2 per compiler warning
- 1 import.\* w/o > 4 matching classes
- 10 for poor commenting
- 2 for each unjustified numeric constant
- 5 bad submission
- 1 for each section of commented code
- 5 if violate coding convention

Run Javadoc and take off 2 point per error/warning, up to 5 points.

Run JUnit test with the following option: `-Dfile.encoding="Unicode"`

-10 if file.encoding breaks

Review all code and comments

**Test 1 (30 points):** Non-serialization: attribute constructor, getters/setters, toString, hashCode, equals, exception

Verify reasonable implementation. Submission should not have to parse anything in implementation of getters/setters. Internal representation should be independent of serialization.

**Test 2 (25 points):** Serialization: encode

**Test 3 (25 points):** Deserialization: stream constructor

**Test 4 (20 points):** Student tests

Run student test and verify all passes

Code coverage of student test?

Verify multiple tests for encode and decode

0 if program does not compile