

## Lab 2 Rubric:

### Demo (60):

No on-board demonstration required in manuscript

Do not share golden test-bench with students, they need to have their own test-bench

Students can explain their methodology (30)

Overall design logic (5) and test bench design (5)

Count Leading Zeros implementation (10)

Rounding Logic (8) and test bench coverage (10)

Golden Test-bench Result (30)

Can be tested after their submission or in the demonstration (to be discussed)

Full credit: 30

Having errors on edge cases: 20

Can only cover <50% test cases: 10

Test failed: 0

### Report (40):

Intro and requirement (10)

Design Description (15)

Overall design (5)

Count Leading Zeros (5)

Rounding Logic (5)

Simulation Documentations (10)

General cases (5)

Edge cases covered (5)

Edge included but not limited to

Rounding (General case)

Rounding (overflow)

Leading zeros  $\geq 8$  ( $E = 0$ )

Special edge cases derived by their own special design

Student will receive full edge-cases credit if they can cover two or more

Conclusion (5)