

Department of Electrical and Computer Engineering  
Batten College of Engineering and Technology  
Old Dominion University

## STUDENT OUTCOME ASSESSMENT REPORT<sup>1</sup>

**Course Number and Title:** ECE 323

**Semester and Year:** Spring 2022

**Instructor:** Dr. Jiang

**Program:** Electrical Engineering

**List of Assessed Performance Indicators:**

Student Outcome 1: An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics

SO1 – PI2: Capable of applying principles of engineering to the solution of an engineering problem

SO1 – PI3: Capable of applying principles of science & mathematics to the solution of an engineering problem

**Performance Categories:**

|  |  |  |  |
|--|--|--|--|
| <b>1</b> Unacceptable<br>(D-/F) <sup>2</sup> | <b>2</b> Below Expectations<br>(C-/D+/D) | <b>3</b> Meets Expectations<br>(B/B-/C+/C) | <b>4</b> Exceeds Expectations<br>(A/A-/B+) |
|--|--|--|--|

| Assessed Performance Indicator | Assessment Tool (e.g., Question in HW or Exam, Etc.) | Brief Description | Number of Assessed Students | Total Possible Points | Ranges of Points for Performance Categories |   |   |   | Total Number of Students in Each Performance Category |   |   |   |
|--------------------------------|--|-------------------|-----------------------------|-----------------------|---|---|---|---|---|---|---|---|
|                                |  |                   |                             |                       | 1   | 2 | 3 | 4 | 1   | 2 | 3 | 4 |
| SO1 – PI2                      |  |                   |                             |                       |   |   |   |   |   |   |   |   |
| SO1 – PI3                      |  |                   |                             |                       |   |   |   |   |   |   |   |   |

<sup>1</sup> Please attach anonymous copies of three samples of students' responses per assessed performance indicator corresponding to performance categories 2, 3, and 4. If no student performed at a given level, the number of samples can be reduced. In addition, please include a copy of the assessment tool, that is, the question used for the assessment.

<sup>2</sup> The purpose for the letter grades is to qualitatively characterize the level of performance in the assessed question. Additional information is provided in the student outcome rubrics.



**Comments** (Please include comments on the student performance for each assessed performance indicator. If the total performance in Performance Categories 3&4 is below 70% for an assessed performance indicator, a detailed explanation is needed.)

**Action Plan** (Include a suggested action plan if the percentage of assessed students in Performance Categories 3&4 is below 70%.)

**Action Resolution** (Describe the activities that took place to improve the attainment of the assigned student outcomes as identified by on-going actions. Also, assess the effect of the activities, including the possible quantitative effect on the attainment of student outcomes.)