

Summary of ECE 298-CLA grades for Fall 2020

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Introduction

Histograms and scores leading to the final grade selections for ECE-298CLA are presented and briefly discussed. The final grades are based on an average of the two exam scores. Histograms of the exam scores for the 12 students are shown in Fig. 1.

By sorting the final grades, the letter grades were identified. Since the grade distribution was nearly uniform the sorted scores are close to linear function of the grade, making the divisions nearly obvious (see Fig. 2).

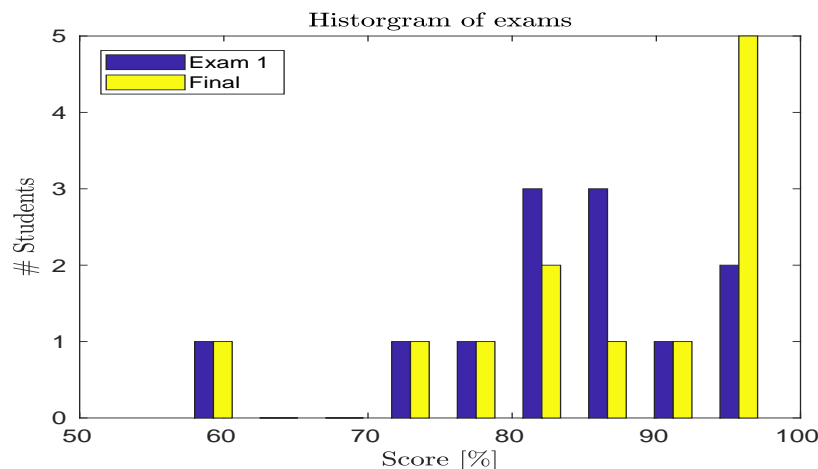


Figure 1: The histograms of the two exam grades are shown in the same chart. The two distributions are nearly identical, other than the number of top grades ($\approx 95\%$ points), which increased from 2 to 5.

Sorted errors and letter-grades

In Fig. 2 we show the sorted scores. The horizontal lines indicate the boundaries for the letter scores. A clustering of the scores is not possible given the uniform distribution.

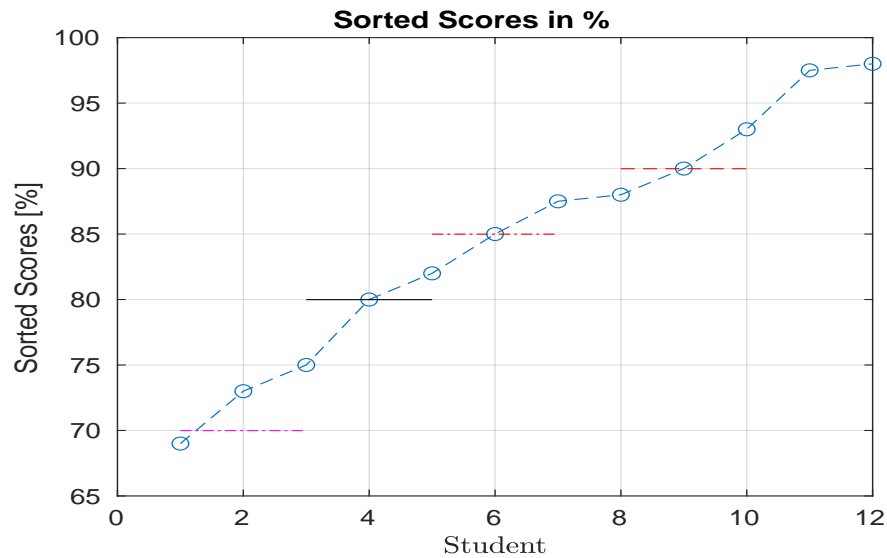


Figure 2: This figure shows the sorted distribution of the average of the two Exam scores. Specifically, the assigned grade was A+ for scores above 90 points, A between 85 and 90, A- between 80-85, B+ between 70 and 80, and B below 70. All the student came from ECE except for one non-degree student.

Class composition

The class consisted of 12 undergraduate students, compared with 20 students from the spring 2020 semester. Except for one graduate student and one Junior, the students were Seniors. All the students were ECE except two from Physics and Material science. Two students (17%) were female.