

## Comparison of current and proposed grade point schemes using data from Math151 for Fall 2006

Louis Gross

I used data from percentages for course grades and considered the impact of the new proposed grading scheme on the grades assigned by comparing the grade points assigned according to

Current scheme:

|        | UT grade pt |
|--------|-------------|
| 90-100 | A 4.0       |
| 87-89  | B+ 3.5      |
| 80-86  | B 3.0       |
| 77-79  | C+ 2.5      |
| 70-76  | C 2.0       |
| 60-69  | D 1.0       |
| 0-59   | F 0.0       |

Proposed scheme:

|        |    |     |
|--------|----|-----|
| 93-100 | A  | 4.0 |
| 90-92  | A- | 3.7 |
| 87-89  | B+ | 3.3 |
| 83-86  | B  | 3.0 |
| 80-82  | B- | 2.7 |
| 77-79  | C+ | 2.3 |
| 73-76  | C  | 2.0 |
| 70-72  | C- | 1.7 |
| 67-69  | D+ | 1.3 |
| 63-66  | D  | 1.0 |
| 60-62  | D- | 0.7 |
| 0-59   | F  | 0.0 |

The Mean grade point assigned under the current scheme was 2.8913 and under the new scheme it would have been 2.7817. These are highly significantly different using a one-tailed t-test at 0.0001 level. The number of students was n=115.

