Spring 2017 Hybrid Course Grades. 100% of students enrolled in the Hybrid completed all required assignments and passed the course.

Engineering 100w students do well overall—only 6% fail. But Hybrid students earned 18% more “A” grades than students enrolled in non-redesigned courses. 100% of Hybrid students passed the course compared to a 94% pass rate in traditional sections.

Changes to the spring 2017 redesigned model resulted in higher achievement and success rates. After collecting feedback from students in 2016, and conducting a word count of the writing projects that students were completing as a result of the course redesign, I made several changes to the model that resulted in improved success rates and slightly higher grades in 2017. While there was only a 1-2% increase in the number of A and Bs awarded, the revised 2017 hybrid attained a 100% success rate, up from 95% in 2016. The traditional courses maintain a 6% fail rate.

Modifications in Spring 2017: In redesigning this traditional course into a half-online course, I added several formative assessments in 2016 to ensure students completed the online coursework. These formative assessment included embedded team building, regular peer review and communication strategy lessons—these aspects remained unchanged from 2016-17. However, after collecting and analyzing individual word counts, I discovered hybrid students had completed 3-5,000 over the 11,000 word count requirements in 2016. To address this issue, I replaced three weekly (memorandum) reports with PPT assignments. This change enabled me to focus more on visualizations and presentations skills, which align with our curricular goals in Engineering. I also changed some of the formative assignments to “metacognitive” reflections that help students to monitor and reflect on their learning experiences. These C/NC “Reflection” assignments are designed to build a growth mindset and self-regulatory skills. In 2017, word counts are now aligned with the 11,000 words requirements of the course.
Spring 2017
Knapp Flipped Hybrid

Pre-Redesign
Grade distribution Percentage

Redesigned Course
Grade distribution Percentage

Percentage

A
40%

B
45%

C
9%

F
6%

Pre-Redesign

A
4%

B
38%

C
45%

F
6%

Redesigned Course