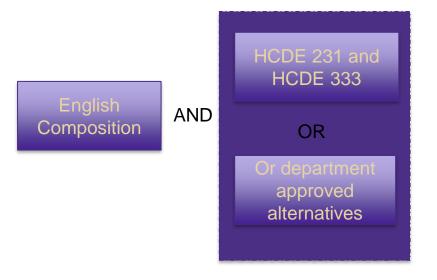
Writing Studio Follow-Up Pilot Offerings

Presented to Curriculum Committee November 30, 2022



Brief Review: University of Washington College of Engineering Writing Requirement

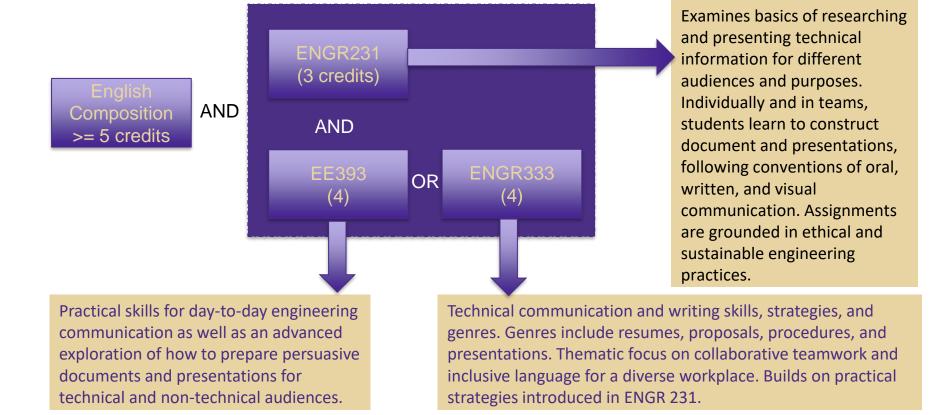


University Writing Requirement:

"In addition to the 5-credit English composition requirement, all undergraduate students need to complete an additional seven Writing credits. Writing courses can be found across disciplines and must require 10-15 pages of graded, out-of-class writing, in the form of a longer paper plus a revision or two or more short papers."

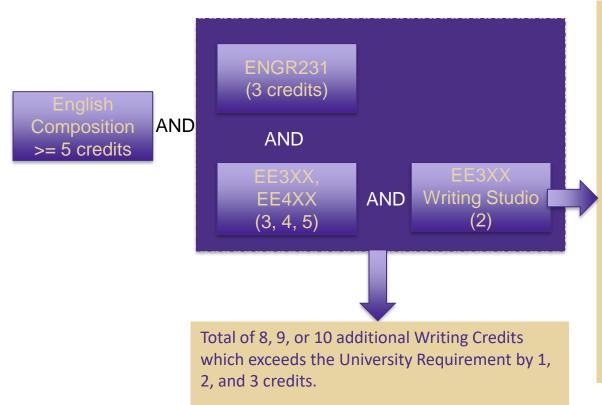


Brief Review Electrical and Computer Engineering (Present) Writing Requirement





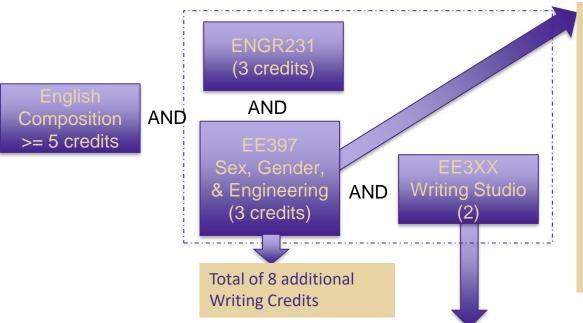
Brief Review Electrical and Computer Engineering (Proposed) Writing Requirement Alternative



- Led by an "expert" writer (e.g., competitive TA position; qualified ECE faculty, etc.).
- Provides a weekly seminar on technical writing skill;
- Hosts weekly tutoring center hours
- Develops writing goals with students and milestones toward those goals
- Grades the "long paper" with sufficient comments and formative feedback for student to advance writing skill in the revision.



Pilot #1, Spring 2023 Electrical and Computer Engineering Writing Requirement Alternative

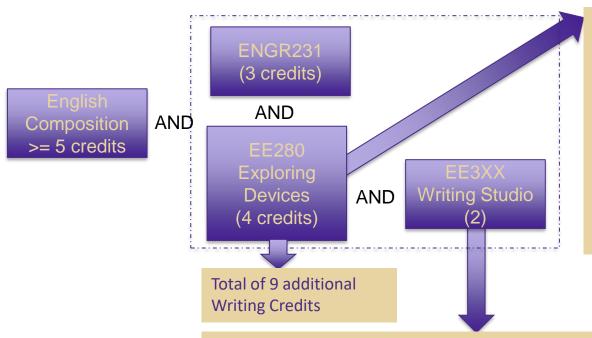


A research/term paper is required in EE397 that takes a deep dive synthesis and literature review of a specific form of harassment or barrier faced by gender or sexual minorities in engineering school or work. The course requires a proposal, outline, draft term paper, and revised term paper. Minimum 10 pages, not including figures, tables, or references. Writing quality makes up less than 35% of the overall term paper grade.

Two credit hour lecture/discussion section which addresses the major parts of a research paper, including proper citation and bibliography format, annotated bibliographies, alternatives for effective outlines, evaluating credibility of source, etc. At least one half of this section involves relevant/contextualized practice exercises including critique of existing research papers. Writing quality makes up at least 80% of the grade and instructor grades proposal, outline, draft, and final paper according to a rubric entirely based on writing quality.



Pilot #2, Autumn or Summer 2023??? Electrical and Computer Engineering Writing Requirement Alternative



Between five and six lab reports are required for the course which successfully remove scaffolding over the course of the quarter. The first lab report is fill in the blank; the second lab report is mostly fill in the blank but students must write their own Materials and Methods section, and so on. Writing Quality is less than 35% of the grade for these lab reports.

Two credit hour lecture/discussion section which addresses the major parts of a lab report, including proper citation and bibliography format, abstract, background, materials and methods, results, discussion, and conclusion. At least one half of this section involves relevant/contextualized practice exercises including critique of existing research papers. Writing quality makes up at least 80% of the grade and instructor grades each lab report according to a rubric entirely based on writing quality.



Technical Writing Studio (2 credits)

Next Steps:

- Should we/Do we proceed with:
 - Pilot #1 (in conjunction with EE397 in Spring 2023)
 - Pilot #2 (in conjunction with EE280 sometime in 2023)
- Who should teach/TA the Writing Studio? Where do we find that person? How do we incentivize that individual? How do we ensure that individual is qualified?
- How should we cap enrollment so as not to overwhelm the instructor with grading? (20 is reasonable)
- How do we advertise the studio to reach sufficient enrollment?
- How do we ensure that we are fair to those who prefer the writing studio over EE393 but can't register due to enrollment caps?
- Other Issues?

