

July 19, 2013

1. College: **College of Liberal and Applied Arts**
2. Department: **English**
3. Course status: **existing; does not require modification**
4. Course prefix and number: **ENG 273**
5. Course title: **Technical and Scientific Writing**
6. Course catalog description: **The study of the rhetorical principles involved in technical and scientific workplace writing, with an emphasis on the production of professional documents, such as analytical reports. Will not satisfy literature requirement; will not count toward an English major or minor (except for a minor in writing).**
7. Number of semester credit hours: **3**
8. Estimated total course enrollment per year: **600**
9. Course prerequisites and/or required qualifications for enrolling in the class: **Prerequisite: Six hours from ENG 131, ENG 132, or ENG 133.**
10. Course **is/will be** available online.
11. Foundational Component Area: **Component Area Communication**
12. Explain why this course fits into this foundation component area: **ENG 273 meets the Coordinating Board's description of Component Area Communication courses because it focuses on developing ideas and expressing them clearly through the medium of writing. ENG 273, Technical and Scientific Writing, requires the consideration of the effect of the message, fostering understanding, and building the skills needed to communicate persuasively to audiences of both technical and scientific fields of inquiry. The course requires the command of literacy skills, as evidenced in written assignments. Students will learn processes, organizational skills, and technical modes that enable the exploration and expression of ideas and topics. Specific writing-task skills will include drafting, revising, and editing, and shaping writing to address the needs of specific technical and scientific audiences. Students will also effectively use oral, aural, and visual literacy skills, as evidenced in course discussions, group work, lectures and presentations. Skills acquired in this course enable people to exchange messages appropriate to subject, occasion, and audience. These skills include the following Core Objectives: Critical Thinking Skills, Communication Skills, Teamwork, and Personal Responsibility.**
13. Core Objectives
  - Critical Thinking - Students will be instructed in elements of critical thinking such as creative thinking, innovation, and inquiry, and in analysis, evaluation, and synthesis of information. In ENG 273, students make application of these skills in the writing of technical, scientific, professional, and workplace essays, documents, or reports which require students to make inquiries into and explorations of topics in creative, innovative, or analytical ways. Students are expected to complete readings, to engage in course and group discussions, and to analyze, interpret, and synthesize their findings resultant from these critical engagements into well-developed written assignments evidencing the student's command of effective engagement of audience (pathos), logical development of ideas (logos), and effective use of examples, expertise, or insight (ethos). The

instruction in ENG 273 will take place by means of lecture, assigned readings, and instructor input during class discussions which model for students how to express and respect diverse points of view and how to make effective use of writing formats appropriate to profession-relative written communication. Each student's mastery of Critical Thinking will be demonstrated by means of a culminating Course Capstone Essay in which students will be asked to develop a professional document of no fewer than 500 words that exhibits an understanding of task-purposeful writing, such as explanation of process, report of observation, persuasion for action, or promotion, among other such considerations.

- Communication Skills - In ENG 273, students will be instructed in elements of communication skills, such as effective development, organization, and expression of ideas through written, oral and visual communication. This instruction will take place by means of lecture, assigned readings, and instructor input in class discussions. Instructors provide students models, examples, and explanations about writing processes that help them to create coherent, well-developed, well-organized and unified discussions inclusive of persuasive, analytical, technical, scientific, and professional writing methodologies. Students will write several documents appropriate to discipline-relative and workplace writing occasions that require mechanical clarity and clear expression of ideas. Each student's mastery of Communication Skills will be demonstrated by means of a Course Capstone Essay in which students will be asked to develop a professional document of no fewer than 500 words that exhibits appropriate organization, clarity, mechanical proficiency, and development of ideas.
- Teamwork - In ENG 273, students will acquire teamwork skills, including the ability to consider different points of view and to work effectively with others to support a shared purpose or goal. This instruction will take place by means of lecture, assigned readings, and instructor input in class discussions. Teamwork activities may include peer review processes and small group work, collaborative writing occasions, group presentations, or panel discussions. As peer review is the common teamwork experience in ENG 273, students will be required to share potentially diverse ideas with one another, to address those views in appropriate ways, and to help one another to finalize assignments for course submission. Each student's mastery of teamwork will be demonstrated by means of a Course Capstone Essay in which students will be asked to collaborate on a professional document of no fewer than 500 words.
- Personal Responsibility - In ENG 273, students will be instructed in elements of Personal Responsibility, such as the ability to connect choices, actions and consequences to ethical decision-making. This instruction will take place by means of lecture, assigned readings, and instructor input in class discussions. In ENG 273, students have occasion to experience human dynamics and to engage in interrelationships as these pertain to professional and workplace environments and to effective communication to diverse audiences. Students will learn that writing well, even in workplace scenarios, includes making choices that involve complex ethics and psychological, spiritual, emotional, and intellectual valuations; furthermore, acts of such writing bear with them consequences. Each student's mastery of Personal Responsibility will be demonstrated by means of a

Course Capstone Essay in which students will be asked to develop a professional document of no fewer than 500 words that exhibits an understanding of task-purposeful writing while it also remains sensitive to the moral or ethical issues relative to that task.

Contact person for questions about this submission:

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