

## Existing Course Changes:

### **TC 202, Elements of Editing, 3 cr, 3 cl hrs**

**Prerequisites:** ENGL 112; TC151 [ADD] *pre- or co-requisite or consent of instructor*

Grammar review. Description of types and levels of editing. Responsibilities of editors. Use of editing and proofreading symbols, usage guides, style guides, and style sheets. Production aspects of editing. Practice in online and hardcopy editing of short manuscripts.

### **REMOVE:**

### **TC 302 Article Writing**

## New Courses:

### **WRITING PROGRAM COURSES:**

#### **ENGL 105, Introductory Academic Communication, 1-3 cr, 1-3 cl hrs**

*Prerequisites: none*

The course introduces students to the general culture of a US university and provides opportunities to discuss language-related issues in their coursework (e.g., understanding lectures, communicating with professors and TAs, etc.). Students are also introduced to strategies for drafting and editing academic writing and for preparing and giving academic presentations.

#### **ENGL 305, Communication for Multilingual Students, 1-3 cr, 1-3 cl hrs**

*Prerequisites: at least junior standing consent of instructor*

Students work on reading and responding to academic texts in English; crafting and expressing an original argument on an academic topic; and correctly summarizing, paraphrasing, and citing academic texts. Students will write and present on topics in their fields of study, provide constructive feedback on each other's work, and practice articulating and answering questions on academic topics.

#### **ENGL 315: Academic and Scientific Communication for Multilingual Students, 3 cr, 3 cl hrs**

*Prerequisites: at least junior standing*

This course offers a more advanced introduction to language issues in writing for scientific and technical fields. Students in this class explore language use and academic genres in their fields of study and complete an extended research project on a technical topic. The course culminates in a technical research report and conference-style presentation.

### **LITERATURE COURSES:**

#### **English 324, Ecotopia: The Intersection of Science and Literature, 3 cr, 3 cl hrs**

*Prerequisites: ENGL 112 or consent of instructor.*

Utopian literature, whether Paradise myths or novels set on an idyllic island or in the future, chronicles human aspirations for a better society. Ecotopia—a neologism coined in 1968—combines utopian desires for better relationships between humans with more recent desires and

need for a better relationship with the environment. The course provides a review of utopian literature throughout history and focuses on contemporary science fiction novels and developments in architecture, technology, science, and alternative social structures.

**English 524, Ecotopia: The Intersection of Science and Literature, 3 cr, 3 cl hrs**

*Prerequisites: Graduate standing or consent of instructor.*

Utopian literature, whether Paradise myths or novels set on an idyllic island or in the future, chronicles human aspirations for a better society. Ecotopia—a neologism coined in 1968—combines utopian desires for better relationships between humans with more recent desires and need for a better relationship with the environment. The course provides a review of utopian literature throughout history and focuses on contemporary science fiction novels and developments in architecture, technology, science, and alternative social structures.

**TECHNICAL COMMUNICATION COURSES:**

**TC 305, Science Writing, 3 cr, 3 cl hrs**

*Prerequisites: ENGL 112 and at least junior standing or consent of instructor.*

This course provides an overview of science writing genres designed to reach multiple audiences (e.g., specialists, policymakers, students, the public, etc.). Course topics include, but are not limited to, the rhetorical history of science communication, popular science writing and science journalism, public information for research groups and facilities (e.g., press releases, websites, science blogs), and scholarly writing (e.g., journal articles, and grant proposals). This course is ideal for TC students interested in working for one of New Mexico's many national labs and research facilities and for students in the sciences interested in improving their scientific communication skills.

**TC 316, International Professional Communication, 3 cr, 3 cl hrs**

*Prerequisites: ENGL 112 or consent of instructor.*

Producing efficient and effective information for audiences situated in different geographic locations is a major concern of companies and organizations, both large and small. This course develops the knowledge and skills needed to analyze and solve the problems posed by a world that is increasingly diverse, interconnected, and driven by knowledge, technology and the capacity to learn and adapt to new and ever changing contexts and situations. During the course, students will produce artifacts that demonstrate development and accomplishments as an international professional communicator.

**TC 361, Advanced visual communication: Data visualization, 3 cr, 3 cl hrs**

*Prerequisites: ENGL 112 or consent of instructor.*

Knowing how to communicate information graphically and in such a way as to intuitively engage its audiences is a fundamental skill to have in a world permeated by data. This course develops the knowledge and skills needed to evaluate, plan and produce aesthetic, ethical, and functional data displays—graphs, charts, technical illustrations, maps, interactive displays, and others—for people engaged in science, technology, business, government, and academia, as well as for semi-specialized and lay audiences.

## **GRADUATE COURSES OFFERED:**

### **English 524, Ecotopia: The Intersection of Science and Literature, 3 cr, 3 cl hrs [co-taught with ENGL 324]**

*Prerequisites: Graduate standing or consent of instructor.*

Utopian literature, whether Paradise myths or novels set on an idyllic island or in the future, chronicles human aspirations for a better society. Ecotopia—a neologism coined in 1968—combines utopian desires for better relationships between humans with more recent desires and need for a better relationship with the environment. The course provides a review of utopian literature throughout history and focuses on contemporary science fiction novels and developments in architecture, technology, science, and alternative social structures. Extra work is required for graduate credit.

### **TC 505 Science Writing, 3 cr, 3 cl hrs**

*Prerequisites: graduate standing*

This course provides an overview of science writing genres designed to reach multiple audiences (e.g., specialists, policymakers, students, the public) and is useful both to students pursuing a career as a professional science or technical writer and to students in the sciences hoping to improve their communication skills. Course topics include, but are not limited to, popular science writing (e.g., writing for mainstream magazines and newspapers), public information (e.g., press releases, websites, science blogs, informational videos), and academic/research writing (e.g., journal articles, abstracts, and grant proposals). This course will also include a community service project providing students with an opportunity to generate real-world documents for a research facility at New Mexico Tech. Extra work is required for graduate credit.

### **TC 516, International Professional Communication, 3 cr, 3 cl hrs**

*Prerequisites: Graduate standing or consent of instructor.*

Producing efficient and effective information for audiences situated in different geographic locations is a major concern of companies and organizations, both large and small. This course develops the knowledge and skills needed to analyze and solve the problems posed by a world that is increasingly diverse, interconnected, and driven by knowledge, technology and the capacity to learn and adapt to new and ever changing contexts and situations. During the course, students will produce artifacts that demonstrate development and accomplishments as an international professional communicator. Extra work is required for graduate credit.

### **TC 561, Data visualization, 3 cr, 3 cl hrs**

*Prerequisites: Graduate standing or consent of instructor.*

Knowing how to communicate information graphically and in such a way as to intuitively engage its audiences is a fundamental skill to have in a world permeated by data. This course develops the knowledge and skills needed to evaluate, plan and produce aesthetic, ethical, and functional data displays—graphs, charts, technical illustrations, maps, interactive displays, and others—for people engaged in science, technology, business, government, and academia, as well as for semi-specialized and lay audiences. Extra work is required for graduate credit.

