

# HUM 110 Technology and Society

## **COURSE DESCRIPTION:**

Prerequisites: ENG 090 and RED 090 or DRE 098; or satisfactory score on placement test

Corequisites: None

This course considers technological change from historical, artistic, and philosophical perspectives and its effect on human needs and concerns. Emphasis is on the causes and consequences of technological change. Upon completion, students should be able to critically evaluate the implications of technology.

*This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

Course Hours Per Week: Class, 3. Semester Hours Credit, 3.

## **LEARNING OUTCOMES:**

1. Students will be able to demonstrate an understanding of the impact of technological changes on western culture by:
  - A. identifying and defining major technological changes in western culture; and
  - B. discussing technological developments and inventors particular to the history of the United States.
2. Students will be able to demonstrate an understanding of the theoretical, philosophical, and societal underpinnings of technological change by:
  - A. analyzing the relationship between the dynamics of technological change and social, economic, political, and cultural phenomena; and
  - B. explaining different philosophical perspectives on the value of technology.
3. Students will be able to use written and oral communication in the analysis of the impact of emerging technologies by:
  - A. understanding the connections between the present state of technology and its history, and;
  - B. examining new developments in technology and considering the possible courses of future technological development.

## **CORE CONCEPTS EXAMINED:**

- I. Definition of technology
- II. Relationship between technological progress and human progress
- III. Ancient and medieval technology in Europe and United States
- IV. Beginnings of modern technology in Europe and United States
- V. First industrial revolution
- VI. Technology and women's work in Europe and United States
- VII. Factory system and mass production
- VIII. Scientific management
- IX. Mechanized farming
- X. Second industrial revolution

- XI. Rise of corporations
- XII. Technology and war
- XIII. Scientific management and the automobile
- XIV. Technology and contemporary culture
- XV. New and current developments in technology
- XVI. Technology and the future

**REQUIRED TEXTBOOKS AND MATERIALS:**

To be selected by instructor.

**STATEMENT OF STUDENTS WITH DISABILITIES:**

Students who require academic accommodations due to any physical, psychological, or learning disability are encouraged to request assistance from a disability services counselor within the first two weeks of class. Likewise, students who potentially require emergency medical attention due to any chronic health condition are encouraged to disclose this information to a disability services counselor within the first two weeks of class. Counselors can be contacted by calling 919-536-7207, ext. 1413 or by visiting the Student Development Office in the Phail Wynn Jr. Student Services Center, room 1209.