

CH 212 Science, Technology, and Society in the Modern World

Wintermester 2019

Number of Credits

3

Instructor

Angela Chase, MA

Catalog Description

Analyzes history and culture of the modern world, exploration of scientific revolutions and methods, rise and global spread of science-based technologies, and their impact on nature, the human body, society, and the world.

Prerequisite(s): ENG 102 or ENG 114 or Corequisite(s): ENG 104.

Satisfies Core Objective 5 History and Culture and Core Objective 9 Science, Technology, and Society of the Silver Core Curriculum.

Required Textbooks/Materials

The following text is required material in this course:

Phillip K. Dick, *Do Androids Dream of Electric Sheep?* Del Rey, 1968. ISBN: 9780345404473.

With the exception of the above text, all other readings will be placed on electronic reserve.

Student Learning Outcomes

Students successfully completing CH 212 will be able to:

1. Express ideas clearly and persuasively both orally and in writing, using relevant evidence to support their arguments.
2. Read, interpret, and analyze primary source texts with attention to content, historical, and cultural context, genre, language, and visual impact.
3. Analyze authors' arguments by identifying perspectives, assumptions, strategies, and omissions. These include authors of scientific and technological texts and artifacts.
4. Trace the sources and development of European intellectual, scientific, and technological traditions and institutions as well as their social, cultural, and historical

impacts, with attention to the diversity of global experiences and voices that shaped them.

5. Describe how arts, scientific discoveries, technologies, political ideologies, and globalization contributed to modern and contemporary identities.
6. Connect the beliefs, values, and actions of past generations to contemporary conditions.
7. Describe European interactions with other parts of the world and explain how interregional (including scientific and technological) connections, economic ties, and military conflicts shaped ideas, beliefs, and values in the modern and contemporary world.

First Week of Materials/Assignments

The following schedule is subject to change:

- January 2:* Course Introduction
Due: Ethics Quiz, Syllabus Quiz, Icebreaker, begin reading *Doctor Faustus*
- January 3:* Early Modern Knowledge
Read: *Doctor Faustus* (all), Sprenger and Kramer (excerpt), and Chou (article)
Due: Discussion and Quiz
- January 4:* Questioning Authority and Established Truths
Read: Columbus, Luther, Monardes, Montaigne, and Montesquieu (excerpts)
Due: Discussion and Quiz
- January 5:* The Renaissance
Read: Copernicus, Da Vinci, Gilbert, Galilei, and Machiavelli (excerpts)
Due: Discussion and Quiz
- January 6:* Understanding Man and Nature
Read: Bacon, Newton, Leibniz, Hobbes, and Locke excerpts
Due: Discussion and Quiz
- January 7:* Due: Essay 1

Course Details

This is a very condensed online class with two in-person exams that must be taken at the 365 Learning testing room (no exceptions). You are completing sixteen weeks' worth of material in less than three weeks' time. You should expect to dedicate at least six hours per day and note that **there is assigned course material due every single day, including weekends.** Falling behind on completing the course material will make passing the course difficult.

Proctored Exam Dates: Thursday, January 10 and Friday, January 18

Grade Breakdown

The point distribution for the course is:

Assignments	Points
Ethics Quiz (mandatory)	0
Syllabus Quiz	20
Icebreaker	30
Discussions (ten worth 25 points each)	250
Quizzes (ten worth 10 points each)	100
Essays (two worth 100 points each)	200
Proctored Progress Tests (two worth 200 points each)	400
<i>Total</i>	<i>1000</i>

The percentage distribution for the course is:

Letter	Percent
A	93–100
A-	90–92
B+	87–89
B	83–86
B-	80–82
C+	77–79
C	73–76
C-	70–72
D+	67–69
D	63–66
D-	60–62
F	59 and below