

CH 212.5801 Science, Technology, and Society in the Modern Era Wintermester 2019

Number of Credits

3 Credits

Instructor

Bretton Rodriguez, Ph.D.

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.

Required Textbooks/Materials

The following texts are required material in this course:

There are no required textbooks or materials for this course. All readings will be made available on WebCampus.

Student Learning Outcomes

Upon successfully completing CH 212, students will be able to

- express ideas clearly and persuasively, using relevant evidence to support their arguments. (CO1);
- read, interpret, and analyze primary source texts including scientific texts and artifacts with attention to content, historical and cultural context, genre, language, and visual impact (CO3, CO5, CO9);
- analyze authors' arguments by identifying perspectives, assumptions, strategies, and omissions. These include authors of scientific and technological texts and artifacts (CO3, CO9);
- 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 (CO5, CO9);
- describe how arts, scientific discoveries, technologies, political ideologies, and globalization contributed to modern and contemporary identities (CO5, CO9);

- connect the beliefs, values, and actions of past generations to contemporary conditions (CO5); and
- describe European interactions with other parts of the world and explain how interregional cultural and intellectual (including scientific and technological) connections, economic ties, and military conflicts shaped ideas, beliefs, and values in the modern and contemporary world (CO5, CO9).

First Week of Materials/Assignments

The following schedule is subject to change:

- January 2:* Themes: The Age of Discovery, Early Colonialism
 Readings: CHRISTOPHER COLUMBUS, "First Letter"; BARTOLOME DE LAS CASAS, *A Short Account of the Destruction of the Indies* (SELECTIONS)
- January 3:* Themes: The First Communication Revolution, The Protestant Reformation
 Readings: MARTIN LUTHER, "95 Theses"; "The Twelve Articles of the Peasants"
- January 4:* Themes: The Copernican and Scientific Revolutions
 Readings: NICOLAUS COPERNICUS, *On the Revolutions of the Heavenly Spheres* (SELECTIONS); GALILEO, *Two New Sciences* (SELECTIONS), SIR ISAAC NEWTON, *The Mathematical Principals of Natural Philosophy* (SELECTIONS)
- January 7:* Themes: Enlightenment, The French and American Revolutions
 Readings: RENE DESCARTES, *Meditations on First Philosophy* (SELECTIONS), THOMAS HOBBS, *Leviathon* (XIII-XIV, XVII)

Course Details

Lecture Information:

Time: Mo, Tu, We, Th: 9:00AM - 1:00PM

Place: MSS 100

Dates: 01/02/2019—01/18/2019

Instructor Information:

Instructor: Bretton Rodriguez , Ph.D.

Office: Thompson Building 102C

Email: bretttonr@unr.edu

Grade Breakdown

The point distribution for the course is:

Assignment	Points
Participation	100
Daily Assignments	100
Tests	200
Analytical Essay	200
Final Exam	200
<i>Total</i>	1,000

The percentage distribution for the course is:

Letter	Percentage
A	94–100
A-	90–93
B+	87–89
B	84–86
B-	80–83
C+	77–79
C	74–76
C-	70–73
D+	67–69
D	65–66
D-	62–64
F	below 62