

Science, Technology and the Modern World

HTS 2100

Class 8:00 am – 10:35 am MWF Klaus 1443

May 11, 2009 – Jun 17, 2009

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Office Hours: 10:35–11:30 MWF and other hours by appointment.

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Introduction: My objective in teaching this course is to introduce you to using a sociological, cultural and historical imagination to understand the development and use of science and technology in human history around the world.

Required Text:

Science, Technology, and Society : A Sociological approach

Wenda K. Bauchspies, Jennifer Croissant, and Sal Restivo. Malden, MA : Blackwell Pub., 2006.

Science and Technology in Society: From Biotechnology to the Internet

Daniel Lee Kleinman. Malden, MA : Blackwell Pub., 2005.

Course Requirements:

Attendance and Participation:

You are expected to be present for the entire class to be counted as present and to receive 2 pt. You must be present for the entire class period to submit work timely on the due date. In addition class participation is valued at 2 pt per day.

Daily: After every class (before 8 pm on the day of class) please submit on T-Square under assignments one multiple choice question for each reading and one for the video (1 pt per question and no late questions accepted.) For example this normally means two questions, but on the days with 2 chapters it could be 3 questions. Be creative and thoughtful with these. You are welcome to post them on the class Wiki on T-Square and to correct, edit and improve upon the questions posted. I will create the final exam from your submitted multiple choice questions, as long as they are appropriate and based on the readings.

Sample Format:

The question or statement based upon the reading.

a. possible answer

b. possible answer

c. possible answer

d. possible answer

e. possible answer

ANSWER: identify the correct response

Quizzes: If needed, there may be quizzes either announced or unannounced to gauge class preparedness, up to 25 points.

Mid Term/Essay: A five page double spaced word essay that analyzes your thoughts and

questions about class readings, discussions and film(s). The essay is a chance for you to think critically about the themes of the course beyond our classroom discussions. Questions to ask yourself while writing: why it is the way it is? What are implications of this idea? What is the reading telling me about science? About technology? Look for patterns that tell you something about the relationship of science, technology, and society, and provide support for your ideas. Make sure the essay has an introduction, supporting paragraphs and conclusion. Please include a bibliography and use proper citation methods (minimum of 5 readings for a “C”). Due 5 June, 50 pts.

Final Exam: 99 pts. Composed of your multiple choice questions.

Week	Reading Monday	Reading Wednesday	Reading Friday
11, 13, 15	Science as Fiction	The Day the Universe Changed: The Way We Are: It Started with the Greeks BCR chp 1	The Day the Universe Changed: In the Light of the Above: Medieval Conflict - Faith & Reason Kleinman chp 1
18, 20, 22	The Day the Universe Changed: Point of View: Scientific Imagination in the Renaissance BCR chp 2	The Day the Universe Changed: A Matter of Fact: Printing Transforms Knowledge BCR chp 3	The Day the Universe Changed: Infinitely Reasonable: Science Revises the Heavens Kleinman chp 3
X, 27, 29		The Day the Universe Changed: Credit Where It's Due: The Factory & Marketplace Revolution Kleinman chp 4	The Day the Universe Changed: What the Doctor Ordered: Social Impacts of New Medical Knowledge Kleinman chp 5
1, 3, 5	The Day the Universe Changed: Fit to Rule: Darwin's Revolution Kleinman chp 6 Wertheim (pdf on TSquare)	The Day the Universe Changed: Making Waves: The New Physics - Newton Revised Kleinman chp 7	The Day the Universe Changed: Worlds Without End: Changing Knowledge, Changing Reality Kleinman chp 8
8, 10, 12	Frozen Angels: Independent Lens (2005) BCR chp 4 & 5	The Future of Food (2004) Kleinman chp 2	The Future We Will Create (2007) Nye: Not Just One Future (pdf on TSquare)

Grading Scale: Your Points/Total Points = 90% and above) = A
Your Points/Total Points = 80% to 89% = B
Your Points/Total Points = 70% to 79% = C
Your Points/Total Points = 60% to 69% = D
Your Points/Total Points = less than 59% = Failing

General Notice:

All writing assignments are to be typed with a 10 or 12 point font. If this is a hardship for you, please see me. Please use gender neutral pronouns (i.e. he/she, they) and proper citations. All written work is to be your own original work and may not have been submitted in another class for a grade. Plagiarism violates GaTech's code of conduct and students who plagiarize will be reported to the Dean of Students. If you have any questions whatsoever, read the Honor Code and discuss it with me. It is available at: www.deanofstudents.gatech.edu/Policy/code.in.sections.htm#AHC.

Always use proper citation practices. If you have questions about writing and citation practices, please see me and/or the library's website: http://www.library.gatech.edu/search/citation_guide.php. If it should happen that you need to deviate from the established syllabus in any way for any reason please be respectful of yourself, your classmates and the instructor by attending to the situation in a respectful, honest and professional manner.

Georgia Tech complies with the regulations of the Americans with Disabilities Act of 1990 and offers accommodations to students with disabilities. If you are in need of a classroom accommodation, please make an appointment with the ADAPTS office to discuss the appropriate procedures as soon as possible in order for us to make appropriate modifications to ensure your success in HTS 3020. The website for ADAPTS is: <http://adapts.gatech.edu>. Please note that accommodations can only be made for the future.

The instructor reserves the right to alter the syllabus as needed. All changes will be announced in class and on T-Square. It is the student's responsibility to stay informed.