Technology Intensive Online Course
This course adopts an online classroom delivery format. A computer with internet connectivity and Canvas is required for students to participate in class activities and submit assignments. See University Policy F13-2 at http://www.sjsu.edu/senate/docs/F13-2.pdf for more details. All course material developed by the instructor is the intellectual property of the instructor and is to be used for private, study purposes only, and cannot be shared publicly or uploaded without the instructor’s approval (see University policy S12-7).

Canvas and MYSJSU Messaging
Copies of the course materials such as the syllabus, major assignment handouts, and grades can be found on Canvas Learning Management System course login website. You are responsible for regularly checking with the messaging system through MySJSU or Canvas to learn of any updates.

Course Description
In this course, we will examine the relationship between technology and society through time and space. Topics to be covered include: Science and Technology Studies (STS); Gender and Technology; Ethnoscience and Technoscience; The Military Industrial Complex; Technology and Music; Energy and Technology; IT and Society.

Course Learning Outcomes (CLO)
Upon successful completion of this course, students will be able to:

Evaluate and apply diverse perspectives to complex subjects within natural and human systems in the face of multiple and even conflicting positions (i.e. cultural, disciplinary, and ethical).

Demonstrate sophisticated understanding of the complexity of elements important to members of another culture in relation to its history, values, politics, communication styles, economy, and/or beliefs and practices.

Apply knowledge and skills to develop sophisticated, appropriate, and workable solutions to address complex global problems using interdisciplinary perspectives independently or with others.

Describe and illustrate the role of foreign language, study abroad, and intercultural competence in building knowledge of other cultures and global issues. Interprets intercultural experiences from the perspectives of own and more than one other worldview.

Use deep knowledge of the historical and contemporary role and differential effects of human organizations and actions on global systems to develop and advocate for informed, appropriate action to solve complex problems in the human and natural worlds.

Uses appropriate, relevant, and compelling content, using high-quality, credible, relevant interdisciplinary sources, to illustrate subject mastery, conveying the writer’s understanding, and shaping the whole work.

Required Textbooks


ALL ADDITIONAL REQUIRED READINGS ARE ON CANVAS

Course Requirements
25% Midterm
25% Final Exam
10% Reading Quizzes (5 x 2%)
10% Group Reading Presentation
20% Group Research Paper
10% Group Research Paper Presentation

Midterm and Final Exam: Short answer and essay questions on all course materials to date.
Reading Quizzes: Short answer questions on readings.
Reading Presentation (Group or Individual): Each group will submit a minimum 1000 word essay (approximately four pages double spaced) that summarizes and critiques the week’s themes and readings. Based on this prepared essay, each group will lead online class discussion on the
Tuesday of their assigned week. Groups will be graded based on participation, preparedness, and engagement with course material.

**Research Paper (Group or Individual):** Topic on course related issue to be approved by instructor. Minimum of five peer reviewed academic sources. Minimum 2000 words (approximately eight double-spaced pages not including cited materials, references cover page, etc.). APA style. Double- spaced, 1” margins, 12 Pt. Times New Roman Font.

**Research Paper Presentation (Group or Individual):** Each group will submit a professional grade presentation that provides an overview of the research paper findings. Limiting each slide to three statements and images is recommended. Presentations will be assessed based on comprehensiveness and effectiveness.

### Grading Policy

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<th>Grade</th>
<th>Points</th>
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Note that “All students have the right, within a reasonable time, to know their academic scores, to review their grade-dependent work, and to be provided with explanations for the determination of their course grades.” See [University Policy F13-1](http://www.sjsu.edu/senate/docs/F13-1.pdf) for more details. The instructor will return materials submitted for grade within 10 days. I am happy to discuss student grades during office hours, but I will not do so by phone or email or in class.
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topics, Readings, Assignments, Deadlines</th>
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| 1    | 8/19   | Course Introduction  
Reading: Winner, “Silicon Valley Mystery House” |
| 2    | 8/24,26| Technology and Society: A Philosophy of Technology  
Readings: Winner, Preface-Chapter 3 |
| 3    | 8/31,9/1| Technology and Society: Reform and Revolution  
Readings: Winner, Chapter 4-6  
Cervantes |
| 4    | 9/7,9  | Technology and Society: Excess and Limit  
Readings: Winner, Chapter 7-Afterword  
Film: *The Day After Trinity*  
https://www.youtube.com/watch?v=Vm5fCxXnK7Y  
Due 9/9: Reading Quiz 1 (Weeks 1-3)  
Felix |
| 5    | 9/14,16| Technology and Energy  
Readings: Nader “Barriers to Thinking New about Energy”  
Nader "Energy Choices: Humanity's Role in Changing the Face of the Earth”  
Film: *Energy and Human Frailty*  
https://www.youtube.com/watch?v=SnzcCuAU5rw  
Contreras |
| 6    | 9/21,23| Technology and the Military Industrial Complex  
Film: *Why We Fight*  
Woodmansee |
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| 7    | 9/28,30 | Science, Technology and Gender  
Films: *Women in Science*  
https://www.youtube.com/watch?v=oYZ7m73_huw  
*Women in Technology*  
https://www.youtube.com/watch?v=GBIpJ8p0t_o  
**Due 9/23: Reading Quiz 2 (Weeks 4-7)**  
Litzy |
| 8    | 10/5,7  | Technology and Health  
Klein and Lappe “What the Pesticides In Our Urine Tell Us About Organic Food”  
Film: *The Empathy of Food*  
https://www.youtube.com/watch?v=JS1sVHlrW9k  
**Due 10/7: Midterm Exam (Weeks 1-7)**  
Gomero |
| 9    | 10/12,14 | Technology and Environment  
Film: *Life Off Grid* (86m)  
Jeong |
| 10   | 10/19,21 | Computers and Information Technology  
Readings: Chang “The Net Isn’t As Important As We Think”; Turkle “The Networked Primate”; Turkley “From Powerful Ideas to Powerpoint”; Turkley. “The Networked Primate”  
Alcantara |
| 11   | 10/26,28 | Technoscience and Ethnoscience  
Readings: Gonzalez et al. “Between Two Poles”; Lie “Social Theory, East Asia, Science Studies”  
Film: *Losing Knowledge*  
**Due 10/28: Reading Quiz 3 (Weeks 8-11)**  
Reyes |
| 12   | 11/2,4  | Connected  
Readings: Gonzalez, Chapters 1-2  
Nguyen |
Classroom Protocol

1. Check Canvas and SJSU email regularly for updates or changes to schedule.
2. All correspondence will be conducted via canvas and canvas message. Include proper subject headings (course number and section, full name, topic) and standard business letter format.
3. Late assignments and exams will not be accepted unless accompanied by documented proof of personal or family medical emergency.
4. Grades will only be discussed during office hours and not during class times.

University Policies

General Expectations, Rights and Responsibilities of the Student
As members of the academic community, students accept both the rights and responsibilities incumbent upon all members of the institution. Students are encouraged to familiarize themselves with SJSU’s policies and practices pertaining to the procedures to follow if and when questions or concerns about a class arises. See University Policy S90–5 at http://www.sjsu.edu senate/docs/S90-5.pdf. More detailed information on a variety of related topics is available in the SJSU catalog, at http://info.sjsu.edu/web-dbgen/narr/catalog/rec-12234.12506.html. In general, it is recommended that students begin by seeking clarification or discussing concerns with their instruc-

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| 13   | 11/9,11 | Connected  
Readings: Gonzalez, Chapters 3-4  
**Due 11/11: Reading Quiz 4 (Weeks 12-13)**  
Tobias |
| 14   | 11/16,18 | Connected  
Readings: Gonzalez, Chapters 5-6  
**Guest Lecture: Professor Roberto Gonzalez**  
Aiden Myles Rodeo |
| 15   | 11/23  
11/25  
Holiday | Connected  
Readings: Gonzalez, Chapters 7-8  
**Research Paper Peer Review**  
**Due 11/23: Reading Quiz 5 (Weeks 14-15)**  
Reyes |
| 16   | 12/6 | Course Review  
**Research Paper Presentations**  
**12/10 Research Paper and Presentations Due** |
| 17   | 12/10 | **Final Exam: Online 1215-1430 (Weeks 8-15)** |
tor. If such conversation is not possible, or if it does not serve to address the issue, it is recommended that the student contact the Department Chair as a next step.

**Dropping and Adding**

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester’s Catalog Policies section at http://info.sjsu.edu/static/catalog/policies.html. Add/drop deadlines can be found on the current academic year calendars document on the Academic Calendars webpage at http://www.sjsu.edu/provost/services/academic_calendars/. The Late Drop Policy is available at http://www.sjsu.edu/aars/policies/late_drops/policy/. Students should be aware of the current deadlines and penalties for dropping classes.

Information about the latest changes and news is available at the Advising Hub at http://www.sjsu.edu/advising/.

**Consent for Recording of Class and Public Sharing of Instructor Material**

University Policy S12-7, http://www.sjsu.edu/senate/docs/S12-7.pdf, requires students to obtain instructor’s permission to record the course and the following items to be included in the syllabus:

- “Common courtesy and professional behavior dictate that you notify someone when you are recording him/her. You must obtain the instructor’s permission to make audio or video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material.”
  - It is suggested that the greensheet include the instructor’s process for granting permission, whether in writing or orally and whether for the whole semester or on a class by class basis.
  - In classes where active participation of students or guests may be on the recording, permission of those students or guests should be obtained as well.
- “Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent.”

**Academic integrity**

Your commitment, as a student, to learning is evidenced by your enrollment at San Jose State University. The University Academic Integrity Policy S07-2 at http://www.sjsu.edu/senate/docs/S07-2.pdf requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The Student Conduct and Ethical Development website is available at http://www.sjsu.edu/student-conduct/.
Campus Policy in Compliance with the American Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 at http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf requires that students with disabilities requesting accommodations must register with the Accessible Education Center (AEC) at http://www.sjsu.edu/aec to establish a record of their disability.