

San José State University
GLST 156 Section 80 (45510), Fall 2021
Technology of the Modern World

Course and Contact Information

Instructor:	Dr. Jay Ou
Office Location:	Zoom Online
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Office Hours:	F4-5pm or by Appt. https://sjsu.zoom.us/j/82931889888
Class Days/Time:	TTH 1415–1530 https://sjsu.zoom.us/j/87874621456
Classroom:	Zoom Online

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](http://www.sjsu.edu/senate/docs/F13-2.pdf) 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

Langdon Winner. *The Whale and the Reactor*. University of Chicago Press, 2020.

ISBN 9780226692548

Connected. Roberto Gonzalez. 2020. ISBN 9780520344211

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

Grade	Points	Percentage
A plus	960 to 1000	96 to 100%
A	930 to 959	93 to 95%
A minus	900 to 929	90 to 92%
B plus	860 to 899	86 to 89 %
B	830 to 829	83 to 85%
B minus	800 to 829	80 to 82%
C plus	760 to 799	76 to 79%
C	730 to 759	73 to 75%
C minus	700 to 729	70 to 72%
D plus	660 to 699	66 to 69%
D	630 to 659	63 to 65%
D minus	600 to 629	60 to 62%

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) at <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.

Week	Date	Topics, Readings, Assignments, Deadlines
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: <i>The Day After Trinity</i> 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: <i>Energy and Human Frailty</i> https://www.youtube.com/watch?v=SnzcCuAU5rw Contreras
6	9/21,23	Technology and the Military Industrial Complex Readings: Noble "Science for Sale"; Melman "From Private to State Capitalism: How the Permanent War Economy Transformed the Institutions of American Capitalism" Film: <i>Why We Fight</i> https://video-alexanderstreet-com.libaccess.sjlibrary.org/watch/why-we-fight?context=channel:academic-video-online Woodmansee

Week	Date	Topics, Readings, Assignments, Deadlines
7	9/28,30	<p>Science, Technology and Gender</p> <p>Readings: Cowan “Less Work For Mother?”; Harding “Women, Science, and Society”</p> <p>Films: <i>Women in Science</i> https://www.youtube.com/watch?v=oYZ7m73_huw <i>Women in Technology</i> https://www.youtube.com/watch?v=GBIpJ8p0t_o</p> <p>Due 9/23: Reading Quiz 2 (Weeks 4-7)</p> <p>Litzy</p>
8	10/5,7	<p>Technology and Health</p> <p>Klein and Lappe “What the Pesticides In Our Urine Tell Us About Organic Food”</p> <p>Film: <i>The Empathy of Food</i> https://www.youtube.com/watch?v=JS1sVHlrW9k</p> <p>Due 10/7: Midterm Exam (Weeks 1-7)</p> <p>Gomero</p>
9	10/12,14	<p>Technology and Environment</p> <p>Readings: Richard York and Brett Clark, “Critical Materialism: Science, Technology and the Environment”</p> <p>Film: <i>Life Off Grid</i> (86m) https://sjsu.kanopy.com/video/life-grid</p> <p>Jeong</p>
10	10/19,21	<p>Computers and Information Technology</p> <p>Readings: Chang “The Net Isn’t As Important As We Think”; Turkle “The Networked Primate”; Turkle “From Powerful Ideas to Powerpoint”; Turkley. “The Networked Primate”</p> <p>Alcantara</p>
11	10/26,28	<p>Technoscience and Ethnoscience</p> <p>Readings: Gonzalez et al. “Between Two Poles”; Lie “Social Theory, East Asia, Science Studies”</p> <p>Film: <i>Losing Knowledge</i></p> <p>Due 10/28: Reading Quiz 3 (Weeks 8-11)</p> <p>Reyes</p>
12	11/2,4	<p>Connected</p> <p>Readings: Gonzalez, Chapters 1-2</p> <p>Nguyen</p>

Week	Date	Topics, Readings, Assignments, Deadlines
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)

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-

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](http://info.sjsu.edu/static/catalog/policies.html) 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](http://www.sjsu.edu/provost/services/academic_calendars/) at http://www.sjsu.edu/provost/services/academic_calendars/. The [Late Drop Policy](http://www.sjsu.edu/aars/policies/late-drops/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](http://www.sjsu.edu/advising/) 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), <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](http://www.sjsu.edu/senate/docs/S07-2.pdf) 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](http://www.sjsu.edu/student-conduct/) 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](http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf) 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](http://www.sjsu.edu/aec) (AEC) at <http://www.sjsu.edu/aec> to establish a record of their disability.