シラバス参照

<<Last Updated:2023/01/20>>

Course Schedule Information

Course Code	Z26092
Semester	Fall and Winter Term
Day and Period	Wed2
Course Name (Japanese)	Special Topic in Human Sciences IIIA (Critical Approaches to Technology in Society)
Room	School of Human Sciences/Main School HouseLecture Room34
Course Name	Special Topic in Human Sciences IIIA (Critical Approaches to Technology in Society)
Capacity	0
Course Numbering Code	01HUSC3D001
Credits	2.0
Student Year	2,3,4
Instructor	KATIRAI Amelia Nur,CAVALIERE Paola
Course of Media Class	Not Applicable

※About Course of Media Class
"Course of Media Class" are classes in which more than half of the classes are held in places other than classrooms by making advanced use of various media.
Undergraduate students can include up to 60 credits in media class course as requirements for graduation.
Even if this is not the case, we may hold classes using the media.

Basic Syllabus Information

Subtitle	
Eligibility	

Detailed Syllabus Information

Course Subtitle	Special Topic in Human SciencesⅢA(Critical Approaches to Technology in Society)
Language of the Course	English
Type of Class	Lecture Subject
Course Objective	A sociological lens shows us that technology is embedded in systems of social relationships. In this course, we will take artificial intelligence (AI) and related technologies as our case study and critically examine its place in society through four course modules. Throughout, we will take a sociological approach, with a focus on issues of justice and equity. We will consider who may benefit from or be harmed by new technologies, including applications of AI that we interact with in our daily lives. Remembering that "critical" does not necessarily mean "negative," we will explore concepts that can assist in charting a more just and sustainable path forward. The ways in which our social world shapes and is shaped by new technologies cannot and should not be ignored. The aim in this course is to equip you with some of the knowledge and critical perspectives you will need to act as an informed citizen in these areas. To this end, the course will involve lectures, mini-workshops and discussions of case studies, and multimedia.
Learning Goals	After taking this course, you should be able to: - Give examples of how technologies shape and are shaped by society; - Identify ways in which particular technologies may lead to benefit or harm; - Recognize the need to critically examine common discourses about technology; - Be aware of alternate voices in debates on technology; - Reflect upon and challenge your own assumptions about technology; - Comment critically on popular representations of technology; - Consider possible solutions to issues related to technology in society; - Notice improvement in academic skills.
Requirement / Prerequisite	This course will be held in English, and involves active participation in classes and weekly reading assignments. If you are unsure if your English proficiency is sufficient, you can access samples of books written by the authors listed below.
Class Plan	

1st	October 5 Period:2nd Day:Wednesday Title:MODULE 1 - Week 1
	MODULE 1 (Weeks 1 - 4): In this introductory module, we will get situated in the course, getting to know each other and the area of study. We will learn to apply a sociological lens to technology, seeing technologies as systems embedded in social relationships. We will also have a critical introduction to AI, which is the area of focus in this course. To close this module, we will place our study of AI in society in the context of the ongoing degradation of our planet, and question deterministic perspectives which see technological development as inevitable.
2nd	October 12 Period:2nd Day:Wednesday Title:MODULE 1 - Week 2
	Sociological perspective
3rd	October 19 Period:2nd Day:Wednesday Title:MODULE 1 - Week 3
	What is AI?
4th	October 26 Period:2nd Day:Wednesday Title:MODULE 1 - Week 4
	Our planet
5th	November 2 Period:2nd Day:Wednesday Title:MODULE 2 - Week 1
	MODULE 2 (Weeks 5 - 8): Technology is designed and applied in environments with fundamental and persistent inequalities. In this module, we will hone in on the interplay between AI and gender, race, and disability. We will take an intersectional approach throughout. In each session, we will start with a brief review of sociological perspectives on the topic, and then move on to case studies in relation to AI. We will close each session with critical discussions or a mini film screening. Gender
6th	November 9 Period:2nd Day:Wednesday Title:MODULE 2 - Week 2
	Race
7th	November 7 Period:2nd Day:Wednesday Title:MODULE 2 - Week 3
	Health

	8th	November 30 Period:2nd Day:Wednesday Title:MODULE 3 - Week 1
		We will take up particular applications of AI that have implications for our daily lives. We will look at how some of the inequalities discussed in Module 2 play out in these case studies. We will examine algorithms in health and care, at work, and in social and other media. We will have mini-workshops in weeks 9, 10, and 12, to help you to think through the implications of particular applications of AI for different stakeholders. Our film screening in Week 11 will be of a recent documentary film. Care
	9th	December 7 Period:2nd Day:Wednesday Title:MODULE 3 - Week 2
		Work
	10th	December 14 Period:2nd Day:Wednesday Title:MODULE 3 - Week 3
		Media
	11th	December 21 Period:2nd Day:Wednesday Title:MODULE 3 - Week 4
		Documentary film screening
	12th	January 4 Period:2nd Day:Wednesday Title:MODULE 4 - Week 1
		MODULE 4 (Weeks 13 - 15): In this module, we will bring our course to a close by exploring concepts that can assist in charting a more just and equitable path forward. Privacy
	13th	January 11 Period:2nd Day:Wednesday Title:MODULE 4 - Week 2
		Ethics
	14th	January 18 Period:2nd Day:Wednesday Title:MODULE 4 - Week 3
		Involvement
	15th	January 25 Period:2nd Day:Wednesday Title:MODULE 4 - Week 4
		Wrap-up
Independent Study Outside of Class	1. Readings will be distributed to you through CLE. You will be asked to make time to read the assigned reading (or the assigned parts) prior to the class. Readings will generally be around 20 pages in length. 2. Each week, you will be asked to complete a brief “Learning Log” entry with a prompt to guide you, to help you engage critically with the course materials and readings. 3. You will be asked to complete a final assignment before the end of term. There will be smaller “process assignments” to help you break down the work and complete it in a timely manner. You will get more out of this course if you actively seek out and read articles and books related to our topic of study, and if you stay aware of current events.	
Textbooks	Copies of the readings or links through which to access them will be provided through the weekly class pages on CLE.	
Reference	We will draw on these and other books. Readings and other resources will be provided. • Aral, S., 2020. The hype machine. New York: Penguin Random House. • Bauchspies, W. K., Croissant, J. & Restivo, S., 2006. Science, technology and society: A sociological approach. Malden: Blackwell Publishing. • Benjamin, R., 2013. People's science: bodies and rights on the stem cell frontier. Stanford: Stanford University Press. • Benjamin, R., 2019. Race after technology: Abolitionist tools for the New Jim Code. Cambridge: Polity Press. • [Open access] Costanza-Chock, S., 2020. Design justice: community-led practices to build the worlds we need. Cambridge: MIT Press. • Crawford, K., 2021. Atlas of AI: Power, politics, and the planetary costs of artificial intelligence. New Haven: Yale University Press. • Mullaney, T. S., Peters, B., Hicks, M. & Kavita, P. eds., 2021. Your computer is on fire. Cambridge: MIT Press. • O'Neil, C., 2016. Weapons of math destruction. New York: Penguin Random House. • Pasquale, F., 2020. New laws of robotics: Defending human expertise in the age of AI. Cambridge: The Belknap Press of Harvard University Press.	
Grading Policy	Details about assignments and the marking breakdown will be provided at the beginning of the course. There are two planned components to evaluation: 35% Learning Log Portfolio + class engagement 65% Final assignment (process + product + presentation)	
Other Remarks	Please follow university and governmental Covid-19 guidelines in class. This syllabus is subject to change, especially as the Covid-19 pandemic evolves. An updated and detailed version of the syllabus will be made available to you at the beginning of the course. Academic honesty and integrity are basic requirements for this course.	
Special Note	Accommodations are available for students who require them. Please consult the relevant university institutions as needed, and as much as possible, ensure that I am notified before the course begins, or as the need arises.	
Office Hour	Office hours are by appointment. You can reach me at a.katirai.elsi@osaka-u.ac.jp.	
Messages to Prospective Students		

Instructor(s)

Instructor Name	Name (hiragana)	Affiliation, Title, Course	Office	Extension	E-mail
No data found					

Cautions for Students

※出欠席及び受講に関するルール：令和５年度以降のシラバス項目 / *Attendance and Student Conduct Policy: field available from FY2023