Course Schedule Information				
Course Code / 時間割コード	881168			
Semester / 開講区分(開講学期)	Fall and Winter Term			
Day and Period / 曜日・時間	Wed2			
Course Name (Japanese) / 開講科 目名	社会の中の技術			
Course Name / 開講科目名(英)	Critical Approaches to Technology in Society			
Capacity / 定員				
Room / 教室	人/本館34講義室			
Course Numbering Code / ナンバ リング	88INES9U100			
Required/Optional / 必修• 選択	履修対象:特別聴講学生 人科G30_			
Type of Class / 授業形態	Lecture Subject			
Credits / 単位数	2.0			
Student Year / 年次	1			
Instructor / 担当教員	KATIRAI Amelia Nur			
Course of Media Class / メディア 授業科目	Not Applicable			

Not Applicable					
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Special Topic in Human Sciences A(Critical Approaches to Technology in Society)					
English	English				
Listening and watching face-to-face/online class: Listening and watching a lecture, video, or demonstration, face-to-face or via online (e.g., attending a face-to-face lecture, watching an on-demand video) Reading: Reading books and academic papers (e.g., summarizing an academic paper, reading information on a website) Discussion: Learning through question-and-answer interactions and exchanges of opinions among students and between students and the instructor (e.g., pair/group discussion, online chat, one-on-one guidance for writing an academic paper) Research: Collecting information from books and academic papers; gathering and analyzing data by fieldwork (e.g., review of previous research, fieldwork) Presentation: Writing papers, making presentations, and creating works (e.g., report writing, oral/poster presentation, creation of works, portfolio development)					
In this course, we will take artificial intelligence (AI) and related technologies as our case study and critically examine their place in society through four course modules. Emerging applications of AI including generative AI (e.g., large language models like ChatGPT and image generators) are increasingly in public awareness. Throughout this course, we will take a sociological approach to examine how these technologies are embedded in systems of social relationships, 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.					
1	Gain knowledge about how technologies including AI shape and are shaped by society.				
2	Apply knowledge about the social aspects of technologies to identify ways in which particular applications of AI may lead to benefit or harm.				
3	Critically respond to common discourses about technology in society.				
4	Reflect upon and challenge your own assumptions about technology in society.				
5 Design possible solutions to issues related to technology in society.					
6	Conduct research on topics of interest to you related to technology in society.				
	English Listening face-to-fa Reading: a website Discussion and betwee writing and Research (e.g., revipersentate presentate presentate presentate and licenses of the ways ignored. The ways ignored of the ways ignored to a series of the ways ignored. The ways ignored to a series of the ways ignored to a series of the ways ignored to a series of the ways ignored. The ways ignored the ways ignored to a series of t				

Requirements, Prerequisites / 履修 条件・受講条件	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.					
Attendance and Student Conduct Policy / 出欠席及び受講に関するルール						
Class Plan / 授業計画	1st	Title: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.				
		Instructor:				
		Independent Study Outside of Class:This course is designed to include the following independent work: 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, and are primarily recent book chapters or articles relevant to the course theme. 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 Portfolio, on topics of interest to you, before the end of term. Details will be provided in the course.				
		Title:MODULE 1 - Week 2				
		A sociological perspective				
	2nd	Instructor:				
		Independent Study Outside of Class:				
		Title:MODULE 1 - Week 3				
		What is AI?				
	3rd	Instructor:				
		Independent Study Outside of Class:				
	4th	Title:MODULE 1 - Week 4				
		Our planet				
		Instructor:				
		Independent Study Outside of Class:				
	5th	Title: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 Gender Instructor:				
		Independent Study Outside of Class:				
		Title:MODULE 2 - Week 2				
	Ott-	Race				
	6th	Instructor:				
		Independent Study Outside of Class:				
		Title:MODULE 2 - Week 3				
		Health				
	7th	Instructor:				
		Independent Study Outside of Class:				
	8th	Title:MODULE 3 (Weeks 9 - 11): 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.				
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		Care						
		Instructor:						
		Independent Study Outside of Class:						
	9th	Title:MODULE	3 - Week 2					
		Work						
		Instructor:						
		Independent S	tudy Outside of C	class:				
	10th	Title:MODULE	3 - Week 3					
		Media						
		Instructor:						
		Independent S	tudy Outside of C	class:				
		Title:MODULE	3 - Week 4					
		Documentary film screening						
	11th	Instructor:						
		Independent S	tudy Outside of C	Class:				
		Title:MODULE 4 (Weeks 12 - 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.						
	12th	Privacy						
		Instructor:						
		-	tudy Outside of C	class:				
		Title:MODULE	4 - Week 2					
	13th	Ethics						
		Instructor:						
		Independent Study Outside of Class:						
	14th	Title:MODULE 4 - Week 3						
		Involvement						
		Instructor:						
		Independent Study Outside of Class:						
	15th	Title:MODULE 4 - Week 4						
		Wrap-up						
		Instructor:						
		Independent Study Outside of Class:						
Textbooks / 教科書・指定教材	Copies of on CLE.	f the readings o	r links through wh	nich to access the	m will be provided	d through the wee	ekly class pages	
Reference / 参考図書・参考教材	We will draw on these and other books and recent academic articles. Readings and other resources will be			ources will be				
	provided.		no machina Na	, Vork. Bonauia B	andom Hausa			
	 Aral, S., 2020. The hype machine. New York: Penguin Random House. 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 					idae: Polity		
	need. Cambridge: MIT Press. • Crawford K 2021 Atlas of Al: Power politics, and the planetary costs of artificial intelligence. New Haven:							
	• Crawford, K., 2021. Atlas of Al: 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. 							
Crading Policy / 式建筑/再		, C., 2016. Wea on Methods / 評	ipons of math des	Learning	Assignment	om nouse.		
Grading Policy / 成績評価		m Methods / 評 価方法	Learning Log	engagement	Portfolio			
	Learr	ning Goals1	0	0	0			
	Learr	ning Goals2	0	0	0			
	Learning Goals3 O O							
	Learning Goals4			0	0			
	Learr	ning Goals5	0	0	0			

Learning Goals6

	Allocation of Marks / 評 価割合	30%	10%	60%		
Additional Information on Grading / 成績評価に関する補足情報	Further detail about assignments, including rubrics, will be provided during the course and available to you through CLE. Feedback on all assignmentsbased on the designated rubricswill also be provided to you following assignment submission.					
Reasonable Accommodation / 合理 的配慮	 If you need reasonable accommodation to participate in this class due to disability (including intractable disease and chronic condition), please contact the office for students with disabilities (e.g., Educational Affairs Section, Academic Affairs Section, Student Affairs Section) at your school/faculty or graduate school, or the Disability Advisory and Support Service Office of the Health and Counseling Center. For more information, please visit the following website or contact the Disability Advisory and Support Service Office of the Health and Counseling Center. Website: https://acs.hacc.osaka-u.ac.jp Tel: 06-6850-6107 E-mail: campuslifekenkou-acs@office.osaka-u.ac.jp 					
Special Note / 特記事項	Please note that there may be changes to course content. A detailed and up-to-date syllabus will be available to you through CLE. 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				versity	
Office Hours / オフィスアワー	Office hours are by appointment. You can reach me at a.katirai.elsi@osaka-u.ac.jp.					
Course Conducted by Instructors with Practical Experience / 実務経験のある教員による授業科目						

Ins	Instructor(s)						
	Instructor Name / 教員 氏名	Amelia Katirai					
	Name (hiragana) / ふり がな						
	Affiliation, Title, Course / 所属・職名・講座名	Osaka University Research Center on Ethical, Legal, and Social Issues					
	Office / 居室						
	Extension / 内線						
	E-mail / e-mail	a.katirai.elsi@osaka-u.ac.jp					