



CURRICULUM GUIDE: OFFICIAL COURSE OUTLINE

Course Code	SOSC 100	Course Title	Applications of Generative A.I in Society			
Credit Value	3	Departments	Psychology and Social Sciences			
No. of weeks	14	Hrs. per week	<i>Lecture</i>	<i>Tutorial</i>	<i>Laboratory</i>	<i>Total</i>
			3	0	1	4
Course Description	<p>This introductory course explores how generative A.I is used across text, images, audio, and data through hands-on projects and group work. Through case studies and exploration of leading A.I tools, students will critically examine how generative A.I is transforming communication and digital storytelling, creativity, and decision-making across domains such as art, sociology, education, politics, economics, and psychology. Students will learn to design practical and creative A.I applications while also discussing strengths and limitations, and reflecting on ethical and societal implications--including issues of misinformation, bias, and accessibility. By the end of the course, students will gain experience using different A.I systems and develop the skills to understand, apply, and evaluate their effects on communication, creativity, research, and society.</p>					
Prerequisite(s)	ENGL 099					
Initial Articulation Targets	<i>UBC</i>	<i>SFU</i>	<i>UVic</i>	<i>UNBC</i>	<i>TRU</i>	
	ARTS, MDIA, PHIL, POLI, and/or SOCI 1XX	CMNS, PHIL, SA, and/or SOCI 1XX	COM, PHIL, and/or SOSC 1XX	CMNS, PHIL, SOCI, and/or UNIV 1XX	CMNS, PHIL, and/or SOCI 1XX	
	<p>For updated information on the transferability of this course, please consult the BC Transfer Guide, www.bctransferguide.ca</p>					
Learning Outcomes	<p>Upon successful completion of this course, the student will be able to:</p> <ul style="list-style-type: none"> • Use leading generative A.I tools for text, images, audio, and data • Explore the transformative role of generative A.I in education and learning environments. • Design and present creative and practical applications of generative A.I • Critically evaluate the strengths and limitations of A.I-generated content. • Identify and reflect on ethical and societal issues such as bias, misinformation, accessibility, and cultural impact. • Apply A.I methods to interdisciplinary questions in fields such as sociology, politics, economics, art, and psychology. • Communicate insights about generative A.I 					



<p>Content</p>	<p>Core topics</p> <ul style="list-style-type: none"> • Introduction to A.I and its History <ul style="list-style-type: none"> ○ What is A.I? Definitions and History ○ Psychological and Philosophical perspectives: Human vs. machine intelligence ○ Different types of A.I: symbolic, machine learning, deep learning, generative models • Human–Machine Interaction <ul style="list-style-type: none"> ○ How people perceive A.I and A.I-generated products ○ Designing appealing and accessible A.I interactions ○ A.I in customer service (chatbots) and A.I in mental health support • Visual A.I Technologies and Ethical considerations <ul style="list-style-type: none"> ○ A look into Image generation tools ○ A.I-enhanced storytelling ○ Importance of Prompting and strategies ○ Ethical issues: Misinformation, identity, consent, manipulation • Audio A.I Technologies and accessibility <ul style="list-style-type: none"> ○ Basics of pattern recognition and A.I model training ○ Exploring A.I sound and music generation ○ Text-to-speech and speech-to-text systems captioning, alt-text generation, multilingual translation ○ Accessibility and inclusive education through A.I tools • A.I for Data Analysis in the Social Sciences <ul style="list-style-type: none"> ○ A.I in quantitative and qualitative analysis ○ Sociology applications: Social media analysis, misinformation, activism, urban sociology ○ Political Science applications: Election forecasting, policy analysis ○ Economics applications: Consumer behavior, market and trend analysis • Critical Reflection on A.I <ul style="list-style-type: none"> ○ Algorithmic bias (gender, ethnicity, socioeconomic class) ○ A.I hallucinations and fact-checking ○ Future directions and broader implications for research, society, and policy <p>Additional topics may also be covered, at the discretion of the instructor.</p>
<p>Methods of Instruction</p>	<ul style="list-style-type: none"> • Lectures • Group projects and collaborative design activities • Tool demonstrations and hands-on activities • Case studies and real-world applications • Critical discussions and debates on ethics, bias, and social impact • Readings and multimedia resources • Presentations • Exams
<p>Methods of Delivery</p>	<p>Indicate how the course is delivered:</p> <p><input checked="" type="checkbox"/> In-class instruction</p> <p><input type="checkbox"/> Distance education (<input type="checkbox"/> Synchronous, <input type="checkbox"/> Asynchronous or <input type="checkbox"/> Both)</p> <p><input checked="" type="checkbox"/> Combined delivery (both in-class and distance)</p> <p style="padding-left: 40px;">Distance component is (<input type="checkbox"/> Synchronous, <input type="checkbox"/> Asynchronous or <input checked="" type="checkbox"/> Both)</p>



Required Textbook(s)	<p>A customized reading package will ensure the currency and relevancy of course readings. Sample readings appear below:</p> <p>Introduction to A.I and its History Xu, Y., et al. (2021). Artificial intelligence: A powerful paradigm for scientific research. <i>Innovation (Cambridge (Mass.))</i>, 2(4), 100179. https://doi.org/10.1016/j.xinn.2021.100179</p> <p>Human–Machine Interaction San Buenaventura, S. H.A. (2025). AI and people: A review of current research on human–machine interaction. <i>World Journal of Advanced Research and Reviews</i>, 26(3), 2707–2715. https://doi.org/10.30574/wjarr.2025.26.3.2486</p> <p>Visual A.I Technologies and Ethical considerations Bellaby, R. (2024). The ethical problems of ‘intelligence–AI’. <i>International Affairs</i>, 100(6), 2525-2542.</p> <p>A.I for Data Analysis in the Social Sciences Zhao, J., Wu, M., Zhou, L., Wang, X., & Jia, J. (2022). Cognitive psychology-based artificial intelligence review. <i>Frontiers in neuroscience</i>, 16, 1024316. https://doi.org/10.3389/fnins.2022.1024316.</p> <p>A.I for Data Analysis in the Social Sciences Qian, Y., Siau, K. L., & Nah, F. F. (2024). Societal impacts of artificial intelligence: Ethical, legal, and governance issues. <i>Societal impacts</i>, 3, 100040.</p>															
Homework Hours	At minimum, students can expect one hour of homework for every two hours of instructional time.															
Evaluation	<table border="1"> <thead> <tr> <th data-bbox="349 1140 820 1178"><i>Component</i></th> <th data-bbox="820 1140 1474 1178"><i>% Value</i></th> </tr> </thead> <tbody> <tr> <td data-bbox="349 1178 820 1247">Assignments</td> <td data-bbox="820 1178 1474 1247">15-20%</td> </tr> <tr> <td data-bbox="349 1247 820 1285">Lab work</td> <td data-bbox="820 1247 1474 1285">15-20%</td> </tr> <tr> <td data-bbox="349 1285 820 1323">Presentations</td> <td data-bbox="820 1285 1474 1323">5-10%</td> </tr> <tr> <td data-bbox="349 1323 820 1360">Participation/In-class-activities</td> <td data-bbox="820 1323 1474 1360">5-10%</td> </tr> <tr> <td data-bbox="349 1360 820 1398">Midterm examination</td> <td data-bbox="820 1360 1474 1398">20-30%</td> </tr> <tr> <td data-bbox="349 1398 820 1470">Final examination</td> <td data-bbox="820 1398 1474 1470">20-30%</td> </tr> </tbody> </table>	<i>Component</i>	<i>% Value</i>	Assignments	15-20%	Lab work	15-20%	Presentations	5-10%	Participation/In-class-activities	5-10%	Midterm examination	20-30%	Final examination	20-30%	
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Completion Requirements	Successful completion of this course requires a minimum grade of 50% (D) or higher. A grade of 55% (C-) or higher is required for this course to function as a prerequisite. Note that all students require their own laptop to complete this course. Consult instructor syllabus for additional completion requirements.															