

**STATE UNIVERSITY OF NEW YORK
COLLEGE OF TECHNOLOGY
CANTON, NEW YORK**



MASTER SYLLABUS

ENGL/TCOM 370 – Artificial Intelligence and Communication

CIP Code: 09.99

Created by: Eunju Yu, Ph.D.

**SCHOOL OF BUSINESS AND LIBERAL ARTS
DEPARTMENT OF ENGLISH AND HUMANITIES
FALL 2023**

- A. TITLE: Artificial Intelligence and Communication
- B. COURSE NUMBER: ENGL/TCOM 370
- C. CREDIT HOURS (Hours of Lecture, Laboratory, Recitation, Tutorial, Activity):

Credit Hours: 3
 Lecture Hours: 3 per Week
 Course Length: 15 Weeks

D. WRITING INTENSIVE COURSE: Yes No

E. GER CATEGORY: None: Yes:

F. SEMESTER(S) OFFERED: Spring & Fall

G. COURSE DESCRIPTION:

In this interdisciplinary course, students advance their Artificial Intelligence (AI) literacy and communication skills in the age of AI. Students explore the intricate interplay between AI, the humanities, ethics, and personal expression. Students acquire a deeper understanding of the history and applications of Artificial Intelligence through various readings from a non-technical point of view. Students analyze human-AI interactions through a humanistic lens and apply research skills to delve into the ethical dimensions of Generative AI, including Chatbots' hallucinations, bias, data privacy, copyright, and more. Students apply various writing techniques to forge a distinctive writing voice with or without AI assistants.

NOTE: Chatbots are a type of AI using a large language model to generate human-like content (e.g., ChatGPT).

H. PRE-REQUISITES: ENGL 101

CO-REQUISITES: None

I. STUDENT LEARNING OUTCOMES:

By the end of this course, the student will be able to:

<u>Course Student Learning Outcome [SLO]</u>	<u>PSLO</u>	<u>GER</u>	<u>ISLO</u>
a. <i>Explain</i> the history and applications of Artificial Intelligence	2		2[CA]
b. <i>Analyze</i> human-AI interaction and collaboration using common terms in the humanities	2		2[CA]
c. <i>Apply</i> research skills to identify and critically assess ethical issues surrounding AI	2		2[CA]
d. <i>Craft</i> a well-reasoned solution for a specific AI-related ethical dilemma in a distinct and engaging manner through persuasive writing.	1		1[W]

KEY	<u>Institutional Student Learning Outcomes</u> [ISLO 1 – 5]	<u>PSLO</u>
ISLO #	ISLO & Subsets	
1	Communication Skills Oral [O], Written [W]	Communication
2	Critical Thinking <i>Critical Analysis [CA], Inquiry & Analysis [IA], Problem Solving [PS]</i>	Critical Thinking
3	Foundational Skills <i>Information Management [IM], Quantitative Lit./Reasoning [QTR]</i>	Inter-/intrapersonal skills
4	Social Responsibility <i>Ethical Reasoning [ER], Global Learning [GL], Intercultural Knowledge [IK], Teamwork [T]</i>	Professional Competence
5	Industry, Professional, Discipline Specific Knowledge and Skills	Community Development

J. APPLIED LEARNING COMPONENT: Yes No

Research and Creative Works

K. TEXTS:
(Representative texts; texts chosen by the instructor)

Bostrom, Nick (2014). *Superintelligence: Paths, Dangers, Strategies*. Oxford University Press.

Jeffrey, R. (2015). *About writing: A guide*. Open Oregon Educational Resources.

McCarthy, J. (2007). What is artificial intelligence?

<http://www-formal.stanford.edu/jmc/whatisai.pdf>

McCarthy, J., Minsky, M. L., Rochester, N., & Shannon, C. E. (1955). *A Proposal for the Dartmouth Summer Research Project on Artificial Intelligence*.

National Humanities Center. (2021). In Our Image: Resources for Teaching Artificial Intelligence and the Humanities.

Neisser, U., Boodoo, G., Bouchard, T. J., Jr., Boykin, A. W., Brody, N., Ceci, S. J., Halpern, D. F., Loehlin, J. C., Perloff, R., Sternberg, R. J., & Urbina, S. (1996). Intelligence: Knowns and unknowns. *American Psychologist*, 51(2), 77–101.

Stahl, B. C., (2021). *Artificial Intelligence for a Better Future*. Springer Imprint: UK

Turing, A. M. (1950). Computing Machinery and Intelligence. *Mind* 49: 433-460

UNESCO. (2021). *UNESCO's Recommendation on the Ethics of Artificial Intelligence*.

U.S. Copyright Office. (2022). *Copyright Law of the United States (Title 17)*.

U.S. Copyright Office. (2023). *What is Copyright?*

World Economic Forum. (2023, January 9). *Generative AI: A game-changer that society and industry need to be ready for*.

L. REFERENCES:

(Representative references chosen by the instructor)

Cave, S., Dihal, K., & Dillon, S. (Ed.). (2020). *AI Narratives: A history of imaginative thinking about intelligent machines*, Oxford: Oxford University Press.

Frischmann, B. & Selinger, E. (2018). *Re-Engineering Humanity*. Cambridge University Press.

Strunk, W. & White, E. B. (1999). *The Elements of Style* (4th ed.). Pearson.

Pinker, S. (2015). *The Sense of Style: The Thinking Person's Guide to Writing in the 21st Century*. Penguin Books.

Müller, V. (2020). *Ethics of Artificial Intelligence and Robotics*. Stanford Encyclopedia of Philosophy.

National Humanities Center. (2021). *In Our Image: Resources for Teaching Artificial Intelligence and the Humanities*.

O'neil, L. (2023, Aug 12). *These Women Tried to Warn Us About AI*. Rolling Stone.
<https://www.rollingstone.com>

Online writing lab at Purdue University -- <http://owl.english.purdue.edu/owl/resource/679/01/>

OpenAI. (2023 b). *ChatGPT* (November 30, 2022 version) [Large language model].
<https://chat.openai.com/chat>

M. EQUIPMENT: None

N. GRADING METHOD: A-F

O. SUGGESTED MEASUREMENT CRITERIA/METHODS:

Assignments

Participation

Projects

Quizzes

P. DETAILED COURSE OUTLINE:

I. Introduction to Artificial Intelligence (AI)

A. Basics of AI

B. Machine Learning

C. Generative AI (e.g., ChatGPT)

D. Applications of AI

E. Opportunities and Challenges of AI

II. The Humanistic Lens on Artificial Intelligence

A. Fundamentals of Humanities

B. Human-created, AI-assisted, and AI-generated

C. Humanistic Thinking vs. AI algorithm

D. AI and Morality

- E. AI, Fairness, and Inclusiveness
- F. The Future of Artificial Intelligence

III. AI, Ethics, and Authorship

- A. Ethical issues surrounding AI technologies
- B. Originality, Authorship, and Ownership
- C. Copyright and Plagiarism

IV. Communication in the Age of AI

- A. Crafting a unique voice
- B. Ethics in Communication
- C. Misinformation, Disinformation and Mal-Information

Q. LABORATORY OUTLINE: None