

VIPP GLOBAL VIRTUAL WINTER SCHOOL *at Michigan State University*

AI IN TODAY'S WORLD

Succeeding in the New AI-Dominated World

COURSE DESCRIPTION

AI is rapidly changing our world, sometimes in unexpected ways. This course provides students with an opportunity to deepen their knowledge and share their own views about artificial intelligence and the concept of the *digital mind*. We will examine the benefits, limitations, and dangers of new AI tools, including ChatGPT and generative AI for creating art and music. We will ask ourselves where these tools are taking us as a civilization and what they show us about ourselves and our own strengths and limitations as creative beings.

Students will acquire a basic understanding of the inner workings of Large Language Models and how best to use these tools to increase creativity and productivity. Through presentations by the instructor, class discussions, and interactive student presentations, students will develop intuitions for spotting and demythologizing the catastrophist discourse that sometimes overstates the ultimate cognitive powers and dangers of AI, develop a vocabulary for thinking about the future of AI and the question of artificial consciousness, and discover the history of the rise of the digital mind through the 20th century.

DETAILS

Fees and Payment

- \$1000 per person
- Pay online by December 31, 2024
- No refund once program starts

Delivery Platform

Zoom and D2L

Program Dates

10 days in a two-week period:

Monday, January 13 to
Friday, January 24, 2025

HOW TO APPLY

Applications open November 1, 2024 and close December 16, 2024.

Contact vippmsu@msu.edu for further information.

To apply, visit vipp.msu.edu/winter



CLASS TIME

TIME ZONE	East Lansing, MI USA (EST)	Indonesia (Jakarta)	China Philippines Malaysia	Japan S. Korea
Local Time	7:30am - 9:00am	7:30pm - 9:00pm	8:30pm - 10:00pm	9:30pm - 11:00pm

Note:

- A total of 15 synchronous contact hours and approximately 15 hours of offline project time.
- This course is equivalent to 1 credit at MSU but no official MSU credit will be awarded.

ADMISSION REQUIREMENTS

- Open to undergraduate or graduate students at any accredited college or university, and high school seniors
- Intermediate English skills
- Any major
- Modern laptop or desktop computer with webcam
- Access to a reliable internet connection
- Commitment to participate in all scheduled online meetings and complete assignments on time

INSTRUCTOR

Ivan Maksymyk, PhD, CFA

Dr. Ivan Maksymyk teaches high level courses in machine learning and programming at the Ecole des Hautes Etudes Commerciales (HEC) Montreal, Department of Information Technology. Dr. Maksymyk holds a PhD in Theoretical Particle Physics from the University of Montreal, and is a Chartered Financial Analyst. His work focuses on deep learning and neural networks, and machine learning applications in finance.

Dr. Maksymyk has expertise in web development and programming, as well as cybersecurity and intellectual property protection. He is the author of the new book *The false prophecy of machine consciousness*, a counter-cultural examination of (the future of) artificial intelligence.

CERTIFICATION

Upon successful completion, students will receive a certificate from the Michigan State University Visiting International Professional Program.

APPLICATION

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APPLY TODAY!

