Groundbreaking AI Applications Transforming E-Learning: Discover Innovative Projects and Their Impact

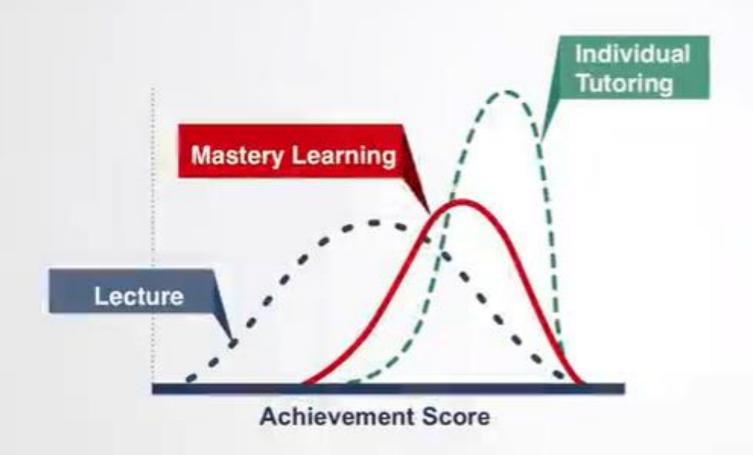
Ron Owston, PhD

Research Associate, Al in Higher Education Contact North

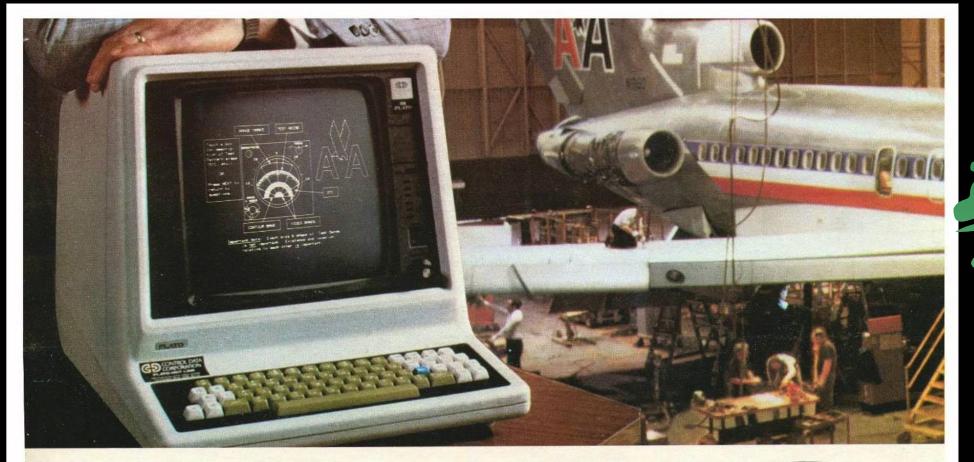
Professor Emeritus, York University, Toronto, Canada



"The 2 Sigma Problem: The Search for Methods of Group Instruction as Effective as One-to-One Tutoring." B. Bloom, Educational Researcher (1984).



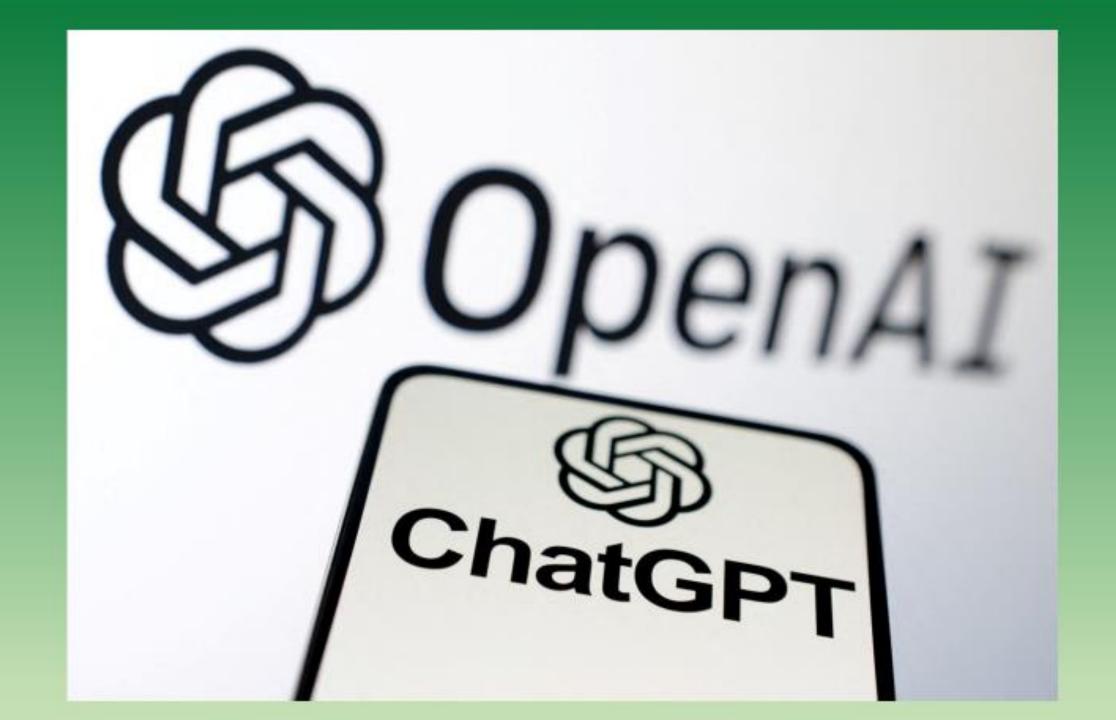
The 2 Sigma Problem



PLATO

CHANGING HOW THE WORLD LEARNS

Welcome to EEEEEE LL IIII AAAAA EE ZZ ΙI AA AA EEEEE ZZZ AAAAAA EE ZZ AA AA EEEEEE LLLLLL IIII ZZZZZZ AA AA Eliza is a mock Rogerian psychotherapist. The original program was described by Joseph Weizenbaum in 1966. This implementation by Norbert Landsteiner 2005. ELIZA: Is something troubling you? Men are all alike. YOU: ELIZA: What is the connection, do you suppose? They're always bugging us about something or other. YOU: ELIZA: Can you think of a specific example ? YOU: Well, my boyfriend made me come here. ELIZA: Is it important to you that your boyfriend made you come here YOU: He says I'm depressed much of the time. ELIZA: I am sorry to hear that you are depressed. YOU: It's true. I am unhappy. ELIZA: Can you explain what made you unhappy ? YOU:



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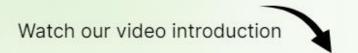
Business to history to psychology to science and technology

All at your fingertips!

Help me:

CHECK my knowledge and skills on any topic

GROW my knowledge and skills on any topic





CHECK your knowledge and skills on any topic

Ask me questions about...

A specific topic

Ask you questions on any topic you would like to learn.

My content

Ask you questions on content that you provide.

e.g. instead of "human rights", enter "Canadian Charter of Human Rights and Freedoms."

History of the Berlin wall



Summary Yes! I would like a summary table of the questions and my answers.

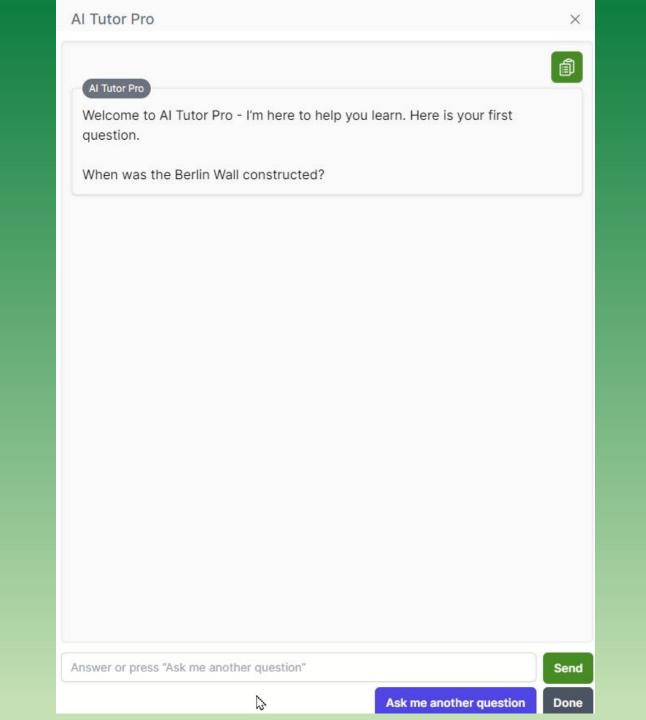


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GROW your knowledge and skills on any topic

Help me learn more about...

A specific topic

Ask you questions on any topic you would like to learn.

My content

Ask you questions on content that you provide.

e.g. instead of "human rights", enter "Canadian Charter of Human Rights and Freedoms."

History of the Berlin wall

Level

Intermediate





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Hello and welcome. I am Al Tutor Pro. Today we a History of the Berlin Wall at an intermediate level.

Let's start our journey into this incredibly significate question: Can you tell me what was the main ever construction of the Berlin Wall? If necessary, I can the answer to help with your understanding. Do not questions and explore this subject more deeply.

Al Tutor Pro

That's a great start! The end of World War II indeed construction of the Berlin wall. Germany was divided occupied by the United States, Britain, France, and relationship between the Soviet Union and the other deteriorated. East Berlin (controlled by USSE) and

Al Tutor Pro

Can you recall the date when the Berlin Wall started being built and the political climate at that time?

The USSR was beginning to crumble

You

Al Tutor Pro

Actually, construction of the Berlin Wall began much earlier, on August 13, 1961, during the height of the Cold War rather than near its end. The Soviet Union was not yet in the process of disintegration; indeed, it was very much an active superpower. The Wall was essentially a physical manifestation of the ideological divide between the East and the West, or more specifically, between Communism and Democracy. The East German government (GDR), backed by the USSR, decided to build the Wall to prevent East Germans to emigrate to the West.

Could you tell me what were some measures used to fortify the Wall, making it an 'Iron Curtain' through the city?

Answer or press "Ask me another question"

Send

Ask me another question

Done

GROW your knowledge and skills on any topic

Help me learn more about...

A specific topic

Ask you questions on any topic you would like to learn.

My content

Ask you questions on content that you provide.

e.g. instead of "human rights", enter "Canadian Charter of Human Rights and Freedoms."

U.S. Secretary of State Antony Blinken is repeating his call for the government of India

Level

Introductory





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Al Tutor Pro

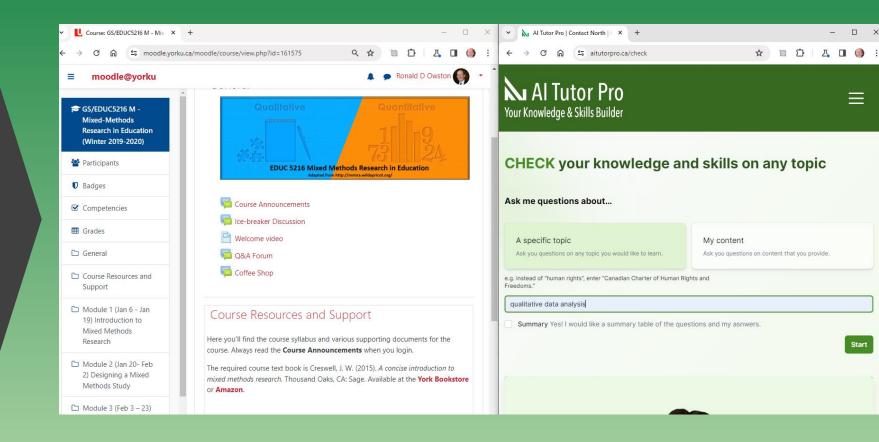
Hello and welcome. I am Al Tutor Pro. Today, we will be discussing recent developments in international relations, particularly between Canada, India, and the US. We will look at this issue at an introductory level, focusing on the basic principles involved and the key players taking part in these affairs.

To start, can you tell me what you understand about the ongoing situation revolving around the accused involvement of the government of India in the killing of a Canadian citizen, Hardeep Singh Nijjar? Furthermore, can you point out what actions the Canadian government took in response, and how the US is involved in this matter?

Remember that understanding such real-life events can provide insight into international relations practices and help you observe diplomacy in action. Let's start our discussion.



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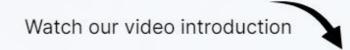
Choose what you would you like to do...

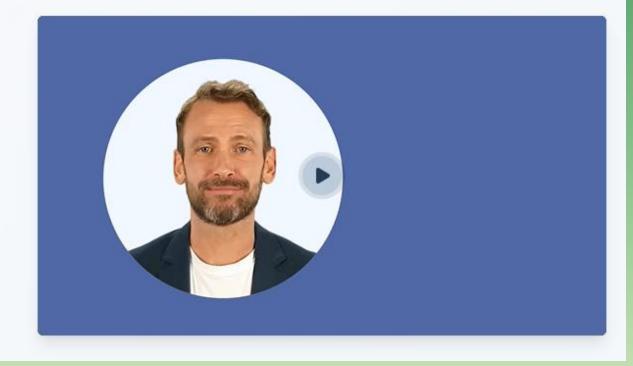
Multiple-Choice Questions Essay Questions + Scoring Rubric Course Description + Syllabus

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Generate

MULTIPLE-CHOICE

questions on any topic

The topic for the multiple choice quiz

Renaissance Art	
How many total questions in the quiz?	How many options for each question?
3	4

1. Analyze the use of perspective in Renaissance art.



- a) It was completely ignored as artists wanted to represent a 2D reality.
- b) It was created by the viewer, and not embedded in the art works.
- c) It was used to create a 3-dimensional illusion in 2-dimensional paintings.
- d) It was presented in scrambled sequence to challenge the viewer's perception.

(Correct Answer: c)

- 2. Evaluate the impact of Humanism on the art of the Renaissance.
- a) Humanism completely abolished the use of religious themes in Renaissance art.
- b) Humanism caused artists to avoid human form representation, emphasizing more on landscapes.
- c) Humanism shifted focus to the importance and potential of the individual, which was reflected in the artworks.
- d) Humanism pushed artists to represent alien figures from other planets in their works.

(Correct Answer: c)

Generate

throughout.

ESSAY QUESTIONS

with a scoring rubric on any topic

Effects of Climate Change on Global Ecosystems		
Number of questions	Level	
1	Introductory	~
Include scoring rubric?		
and include specific examples to	cts of climate change on global ecosystem illustrate your points. How are these chan ext few decades based on current scientific	ges
Scoring Rubric:		
- Excellent (9-10): The essay res	ponds completely to the question by nt effects of climate change on global	

- Good (7-8): The essay provides a satisfactory response to the question by

discussing some notable effects of climate change on global ecosystems, with

some examples included. The student indicates a reasonable understanding of

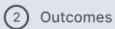
Generate a

COURSE DESCRIPTION

and syllabus on any topic

Start by generating a course description then continue by generating course outcomes and an outline.









Notes

The topic for the course

inorganic chemistry

Word count

Course length in weeks

50

12

Explore the foundations and applications of inorganic chemistry in this comprehensive 12-week course, designed to delve into the core principles, synthesis, and behavior of inorganic compounds. Structured to cater to both novices and seasoned scientists, the program covers periodic trends, coordination chemistry, organometallics, solid-state chemistry, bioinorganic systems, and current research frontiers, integrating theoretical knowledge with practical laboratory work to consolidate your learning experience.



Generate

Generate outcomes

Generate a

COURSE DESCRIPTION

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Description



Outcomes



Outline

Outcomes

5

Outcomes



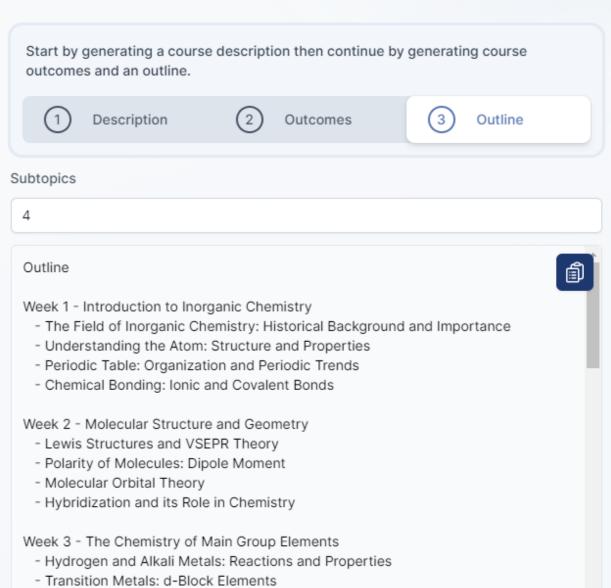
- Analyze Inorganic Substances: You will be able to analyze and understand the behavior and interactions of inorganic substances and comprehend how these principles apply to real-world situations.
- Evaluate Molecular Structure: You will evaluate molecular structure, core concepts, and periodic trends, gaining an in-depth understanding of the pivotal components of inorganic chemistry.
- Experiment with Inorganic Chemistry: You will creatively apply laboratory
 methods to conduct various experiments associated with inorganic chemistry,
 enhancing your practical knowledge and experimental skill set.
- Create Bonds and Structures: You will construct and elaborate on various bonding theories and relate the molecular structure to properties of substances, enhancing your critical thinking abilities in inorganic chemistry.

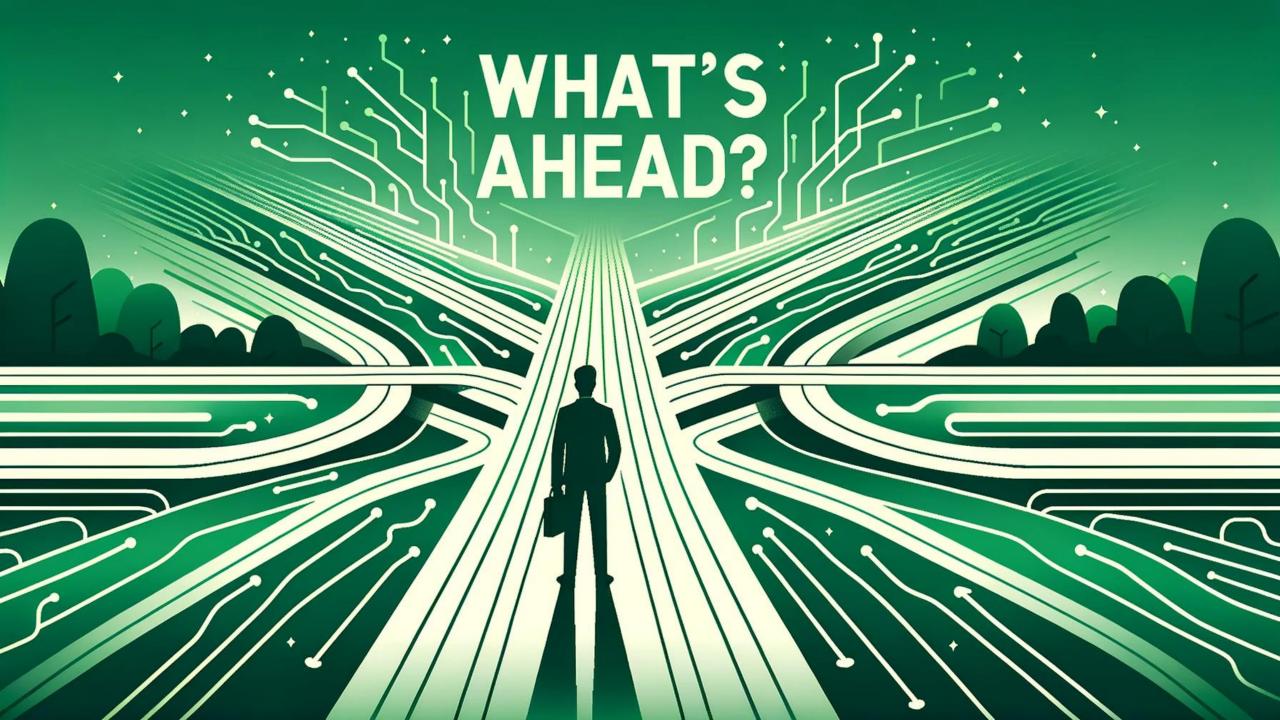
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COURSE DESCRIPTION

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Post-transition Metals and Metalloids





Thank you!

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