VINUNIVERSITY

START EARLY
SHARPEN YOUR MIND
JOIN VINUNI

WITH PRE-COLLEGE COURSES

July, 2023   Virtually via Zoom

limited to 60 students per course

▸ *Do you aspire to study with professors from Top 100 universities?*

▸ *Do you want to acquire the most crucial skills to be college ready, well-prepared for outstanding results?*

▸ *Are you eager to develop yourself early on and seize the opportunity to lead in your educational journey?*

These are the courses for you!

Scan the QR code or access **THE LINK** to register

Deadline to register:

15.06.2023

Hotline
18008189

vinuni.edu.vn
admission@vinuni.edu.vn

CRITICAL THINKING

" **YOU ARE NOT SO SMART** "

"You Are Not So Smart." That's how David McRaney, a journalist and The New York Times Best Selling Author, raises the issue when writing about critical thinking.

In May 2020, billionaire Elon Musk caused a massive $14 billion drop in the value of Tesla stocks with just one tweet. Hundreds of thousands of investors panicked and sold their shares because of a seemingly sarcastic remark, resulting in significant losses.

In May 2023, Geoffrey Hinton, the "godfather of artificial intelligence (AI)", warned that: AI would destroy many existing jobs and create a world where people would struggle to tell what's real from what's fake.

In the age of information chaos, are we smart enough to distinguish what is real and what is fake? Are we bright enough to understand the true nature of the matter? Is our thinking sharp enough to make the right decisions in studying, working, or even leading a business or an organization?

This is the course for you:

6 SESSIONS **2 HOURS PER SESSION**

After this course, you can:

· Learn about the nature of argumentation

· Learn how to evaluate arguments, uncover hidden premises,

· Sharpen your own thinking skills.

· Understand and apply logical and critical thinking in higher education.

· Differentiate between arguments and non-arguments.

· Identify and utilize different types of arguments.

· Assess argument quality and avoid logical pitfalls.

· Explore philosophical puzzles and paradoxes related to logic and reasoning.

BILLY WHEELER, PHD

· *Author of 17 cited books and papers*
· *Program Director of Humanities, Arts and Social Sciences (HASS)*
· *Assistant Professor of Philosophy, Science and Society College of Arts and Sciences, VinUniversity*
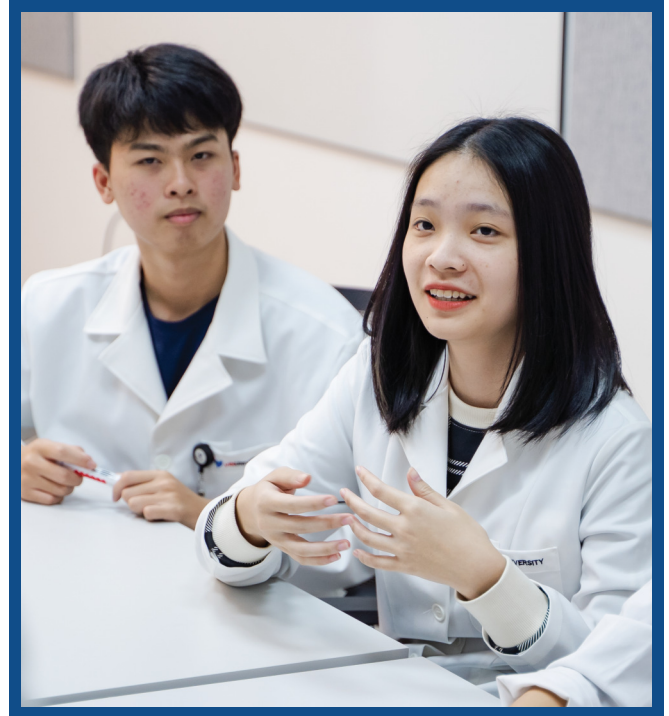
INTRODUCTION TO PROFESSIONALISM

> " **FROM THE BITTERNESS OF DISEASE MAN LEARNS THE SWEETNESS OF HEALTH.** "
> — Joseph Addison

In January 2022, three scientists Katalin Karikó (USA), Drew Weissman (USA), and Pieter Cullis (Canada) were awarded the VinFuture Grand Prize valued at $3 million for their contributions to the development of the mRNA vaccine technology, which played a crucial role in humanity's fight against COVID-19. Overcoming adversity, they acted wholeheartedly, not only as scientists but also as "Health Professionals" - experts in the medical field.

That's why medical education is a very special field. In addition to the ability to acquire specialized knowledge, healthcare professionals, those who practice medicine, also require professionalism in countless difficult situations. They take on the roles of doctors, companions, or even leaders with exceptional analytical thinking skills, the ability to inspire, and the ability to create a positive environment for colleagues and patients.

6 SESSIONS · 2 HOURS PER SESSION

As an important foundation for any health and science student, the course **INTRODUCTION TO PROFESSIONALISM** will help you:

· Apply principles of learning to the health professions program

· Use creative approaches to describe the role of a health professional.

· Communicate in a variety of settings.

· Develop a capacity for self-reflection and engage in self-appraisal.

· Demonstrate the ability to choose methods appropriate to research design and methods.

· Reflect on their leadership style and identify attributes of effective leadership.

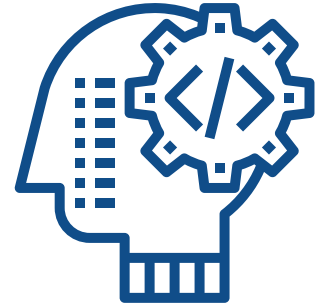· Provide and receive constructive feedback from peers and faculty.

ZARRIN S SIDDIQUI, MBBS, MCPS (PSYCHIATRY), PHD

· Winner and nominee of more than 9 Honors and Awards in Medical Education for innovative approaches to teach health professionalism.
· Author of more than 29 cited books and papers
· Program Director, MD Program, College of Health Sciences
· College of Health Sciences, VinUniversity

INTRODUCTION TO COMPUTATIONAL THINKING AND DATA SCIENCE

The development of applications based on artificial intelligence (AI) has been a highly competitive and rapidly evolving field in recent years. For instance, **ChatGPT, Microsoft's Bing Chat, and Google Bard** have become the talk of the town, disrupting the lives of millions of users worldwide. These applications are closely related to computational thinking and data science. In the future, computational thinkers and data scientists are likely to play an increasingly important role in various domains.

· Do you want to understand how computational thinking and data science are changing your own life?
· Do you want to know how computational thinking and data science create innovative applications that enhance user experiences and reshape various industries?
· Are you interested in learning how to develop computational thinking and data science skills?
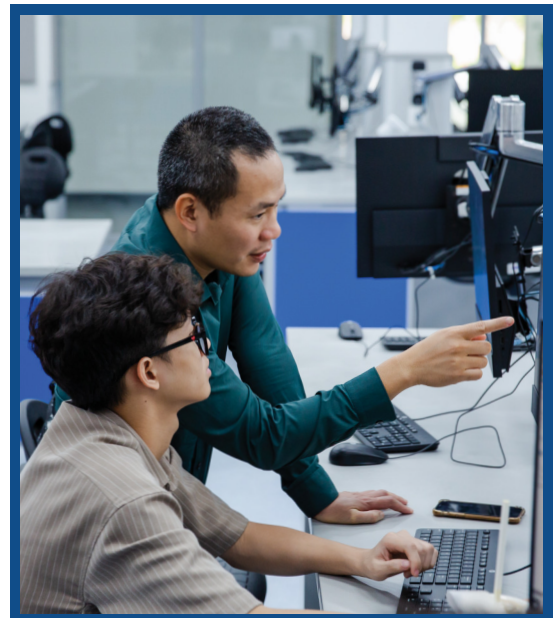
COURSE DETAIL: | 7 SESSIONS | | 2 HOURS PER SESSION |

An introduction to computational thinking and data science that emphasizes key computational concepts such as decomposition, pattern recognition, abstractions, and algorithmic design. Specifically, the course will cover:
· The main principles of problem-solving and principles of artificial intelligence and data science.
· Discusses computational thinking in economics, medicine and healthcare, neuroscience, and sports.
· In the group project, students will work together to discuss and present emerging issues related to computer science problems.

By the end of this course, students will be able to understand:
· The basics of algorithms and the process of abstraction.
· The limitations of computers and algorithms.
· Artificial Intelligence and its use.
· The basics of machine learning.

ANDREW LE DUY DUNG, PH.D

· Assistant Professor, College of Engineering and Computer Science, VinUniversity
· Recipient of the 2022-2023 VinUniversity Teaching Excellent Award and Faculty of The Year.

KOK-SENG WONG, PH.D

· Associate Professor, College of Engineering and Computer Science, VinUniversity
· Recipient of the 2021-2022 VinUniversity Teaching Excellent Award and Faculty of The Year.

INTRODUCTION TO ETHICS

> **" ETHICS IS KNOWING THE DIFFERENCE BETWEEN WHAT YOU HAVE A RIGHT TO DO AND WHAT IS RIGHT TO DO. "**
> - Potter Stewart, Associate justice of the United States Supreme Court

Ethics is one of the required subjects at top universities around the world. At Harvard, students are expected to study "Ethical Reasoning," at Stanford, it's "Ethics in Society," and at Princeton, it's "Ethics and Public Life."

In the fields of business, technology, or science and healthcare in the university context, how is Ethics different from what you think you know? Why is it a prerequisite course in educational institutions that produce top talented individuals and world leaders?

Stop hesitating and find out the answer at VinUni's Course:

6 SESSIONS 2 HOURS PER SESSION

Learning objectives:

· To provide students with a clear, critical understanding of some central questions and theories in ethics

· To enable students to think about difficult moral questions in a more critical manner.

· How these theories apply to some pressing moral issues that we face today

MICHAEL CLARK, PHD

· Author of several cited books and papers
· Faculty, College of Arts and Sciences, VinUniversity