AI FUNDAMENTALS

COURSE INFORMATION

- Self-study
- Delivered in English
- Suitable for teachers and students

Learning about AI offers individuals the opportunity to harness its potential for improving everyday life and enhancing career prospects.

Our AI Fundamentals course offers a comprehensive journey through the world of artificial intelligence (AI), providing an in-depth understanding of AI's core concepts and its societal impact and exploring the evolution and implications of AI in our daily lives. You will gain an holistic understanding of AI, from its basics to its societal and future implications. It equips learners with valuable knowledge and practical skills for navigating the ever-changing world of artificial intelligence.

WHAT WILL I LEARN IN THE ETONX AI FUNDAMENTALS COURSE?

ORIENTATION

WELCOME TO THE COURSE

- Meeting the Course Director
- Learn about course structure and outline.
- AI: a snapshot in time

SECTION 1

WHAT IS AI?

- AI in everyday life
- What is intelligence?
- A scale of intelligence
- A brief history lesson
- The AI effect

SECTION 2

TYPES OF AI

- What are algorithms?
- Classical (symbolic) AIs
- Taking inspiration from nature
- Neural networks
- Machine learning

SECTION 3

CONVERSATIONAL AI

- Large language models
- The big three of '23
- Hallucinations
- Connected conversational AIs
- The bootstrap problem

SECTION 4

PROMPT ENGINEERING

- Detail and refinement
- Simulation and simulacra
- Who, (when), with, what, why?
- Image generation
- What else can AI generate?

SECTION 5

SOCIETY AND AI

- Inclusion and accessibility
- Bias
- Ethics and alignment
- Fake news and deepfakes
- Safety and responsibility

SECTION 6

THE FUTURE OF AI

- Where are we on the sigmoid curve?
- Jobs and intellectual property
- AGI
- Existential threat!?

SUMMING UP

- Further reading
- Glossary
- Teacher guide
- Student guide

ETON X

hello@etonx.com   etonxonline   etonxonline   EtonX