ARTIFICIAL INTELLIGENCE

AI3-3 AI-Enhanced Critical Thinking and Decision Making

Artificial intelligence is transforming how organisations analyse information, solve problems and make decisions. While AI can provide powerful insights, recommendations and forecasts, effective decision-making still depends on critical thinking, professional judgement and the ability to evaluate information objectively. This practical three-day programme develops participants' ability to think critically, solve complex problems and make informed decisions in an AI-enabled workplace. Participants will learn how to combine structured decision-making techniques with AI tools, evaluate AI-generated insights, challenge assumptions, recognise bias and apply sound judgement when working alongside increasingly sophisticated AI systems.

Course Information

Duration: 3 days

London (£3000): 4th May 2026, 29th June 2026, 17th August 2026, 12th October 2026, 30th November 2026, 15th March 2027, 7th June 2027, 26th July 2027, 20th September 2027, 8th November 2027, 10th January 2028

Companies nominating 3 or more delegates to attend the same programme will enjoy a special discount on the course fees.

Upon completion of one of our CPD certified courses, delegates will be awarded both an LMC certificate and a CPD certificate. No examination required.

Who is the course suitable for?

This programme is designed for managers, team leaders, analysts and professionals who are required to make decisions, solve problems and evaluate information in increasingly complex environments. It is

particularly relevant for those seeking to strengthen their critical thinking skills while learning how to use AI effectively and responsibly to support better decision-making.

Course profile

Critical Thinking in an AI-Enabled Workplace

- Understanding critical thinking and decision-making in the age of AI
- Exploring how AI is transforming workplace decision-making across functions and industries
- Identifying assumptions, cognitive biases and common decision-making pitfalls
- Recognising bias, inaccuracies and limitations in AI-generated outputs
- Evaluating information, evidence and recommendations produced by AI systems
- Applying structured questioning and reasoning techniques to challenge both human and AI assumptions
- Understanding when AI strengthens decision quality and when caution is required

AI-Enhanced Problem Solving

- Applying structured problem-solving frameworks, including root cause analysis, 5 Whys, SWOT analysis and decision trees
- Using AI to support research, analysis and information gathering
- Leveraging AI tools to generate options, identify patterns and explore alternative perspectives
- Comparing human-generated and AI-generated solutions to workplace challenges
- Using AI to challenge assumptions and uncover blind spots in decision-making
- Assessing the quality and practicality of AI-supported solutions
- Practical exercises using AI tools to solve complex workplace problems

Decision Making and Judgement with AI

- Making decisions under uncertainty, complexity and risk
- Using AI to support forecasting, scenario planning and risk assessment
- Interpreting and validating AI-generated recommendations and insights
- Recognising hallucinations, overconfidence and limitations in AI outputs
- Combining AI-generated insights with professional expertise, organisational priorities and stakeholder considerations
- Understanding accountability, governance and ethical responsibilities when using AI-assisted decision-making
- Exploring the growing role of agentic AI and human oversight in decision-making processes
- Developing a personal action plan for applying AI-enhanced critical thinking and decision-making in the workplace

Competencies

At the end of this course, delegates will be able to:

- Apply structured frameworks for critical thinking, decision-making and problem-solving
- Evaluate information, evidence and AI-generated insights with confidence and objectivity
- Identify cognitive biases in both human reasoning and AI-generated outputs
- Use AI tools to support analysis, problem-solving and decision-making activities
- Assess risks, opportunities and alternative courses of action using AI-assisted approaches
- Combine AI-generated recommendations with professional judgement and organisational context
- Develop a practical action plan for applying AI-enhanced critical thinking and decision-making in their role

Course Booking

Call us: +44 (0) 207 724 6007

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www.lmcuk.com

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