

PROJECT MANAGEMENT | COURSE BROCHURE

Advanced Project Economics, Risk & Decision Analysis

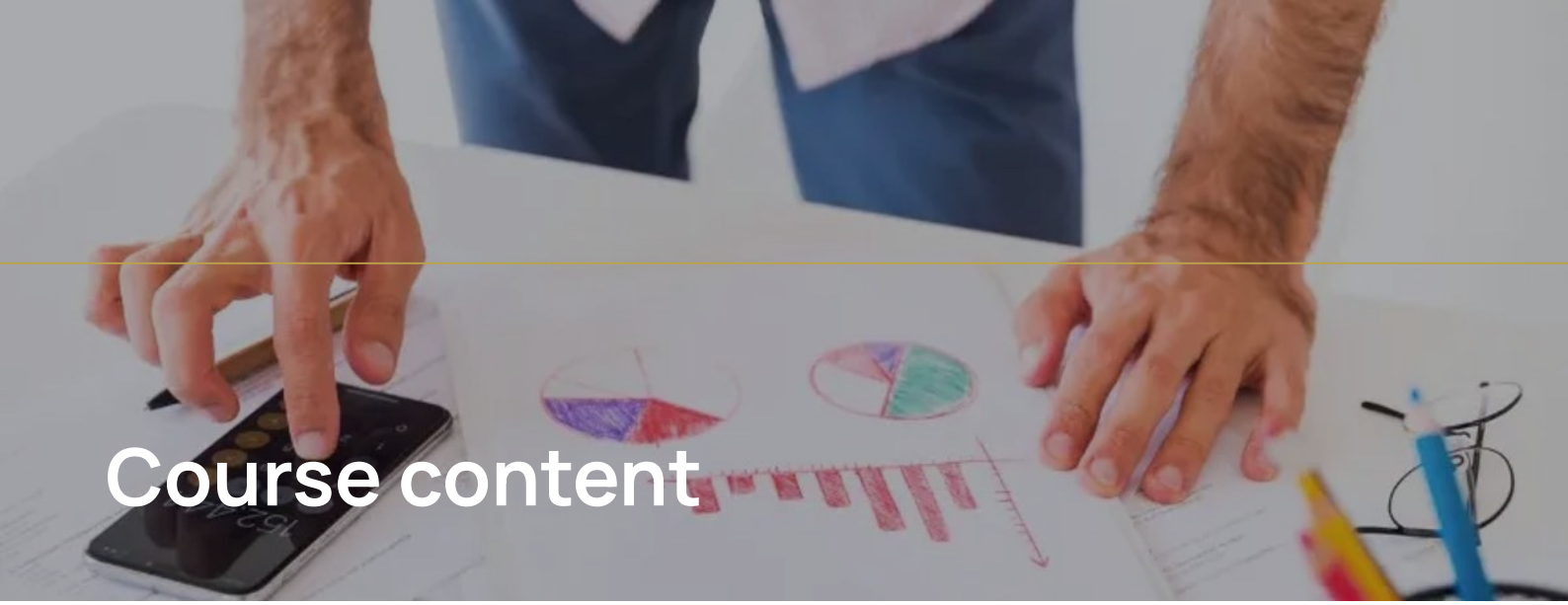
5 days | Classroom training | English

SMART HORIZON

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London W2 6BD, United Kingdom

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Course content

Why attend

This course delves into advanced concepts of project economics, risk management, and decision analysis. Participants will learn to evaluate financial viability, assess risks, and make informed decisions in complex project environments, enhancing their strategic capabilities in project management.

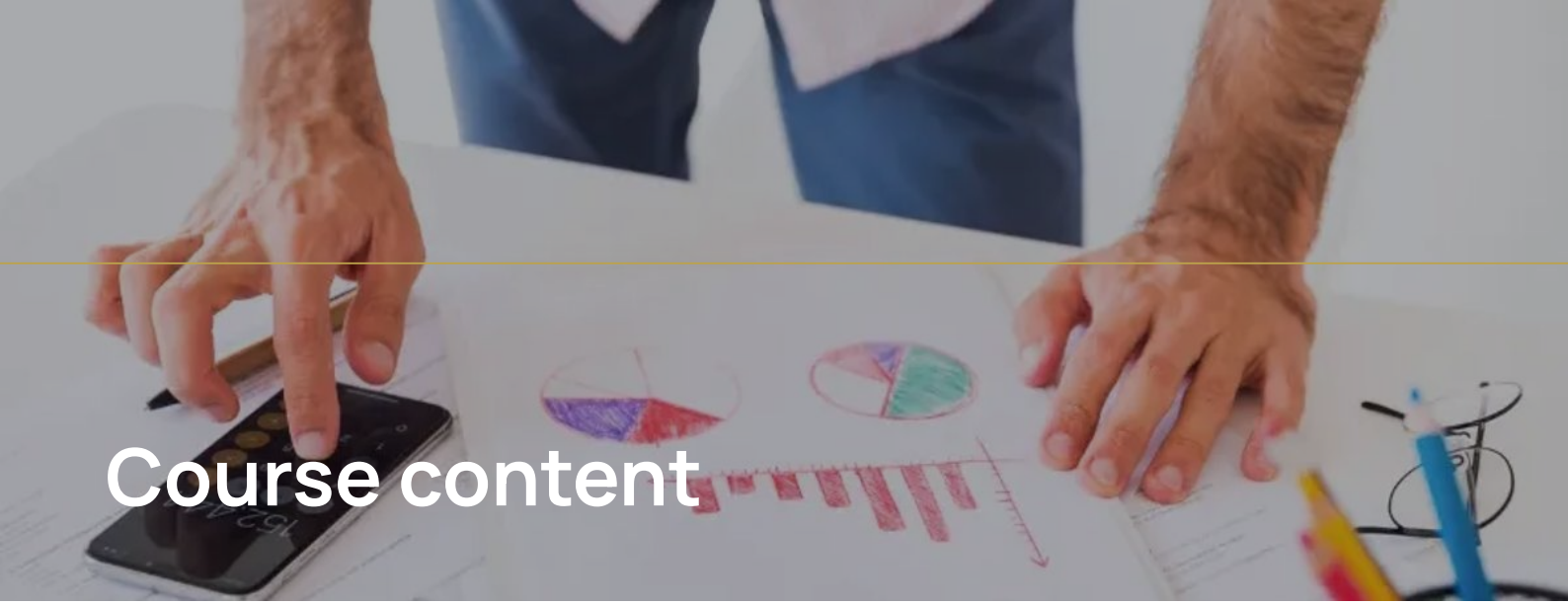
Project managers often face challenges in accurately assessing the economic viability of projects amidst uncertainty and fluctuating market conditions. This course addresses the need for robust financial analysis techniques and risk assessment frameworks, enabling professionals to make informed decisions that align with organisational goals. Participants will learn to apply advanced financial modelling, conduct thorough risk assessments, and utilise decision analysis tools to navigate complex project scenarios. These skills are essential for optimising resource allocation, managing stakeholder expectations, and ensuring project success, ultimately contributing to the organisation's bottom line.
Engaging in practical exercises, participants will simulate real-world project scenarios that require them to apply advanced decision analysis tools and risk management strategies. This hands-on approach ensures that learners can effectively navigate the complexities of project economics, enhancing their decision-making skills. Participants will also collaborate with peers to develop risk management plans and financial forecasts, preparing them for the challenges they face in their roles. By the end of the course, attendees will be equipped to make strategic decisions that balance risk and return, ensuring the successful delivery of projects while maintaining financial integrity.

Professional Problems This Course Is Designed to Solve

• Difficulty translating subject knowledge into practical workplace decisions.
• Inconsistent approaches to the activities covered in the course outline.
• Lack of a structured plan for applying and reviewing new skills.

Course methodology

The course employs a blend of case studies, simulations, and collaborative workshops to facilitate experiential learning. Participants will work on real-world scenarios that require them to apply advanced financial modelling, risk assessment techniques, and decision analysis frameworks. Each session will culminate in the creation of tangible outputs, such as risk assessment reports and financial viability analyses, ensuring that participants can directly apply their learning to their professional contexts. Additionally, group discussions and peer feedback will enhance understanding and foster a collaborative learning environment, allowing participants to learn from each other's experiences and insights. This approach ensures that participants gain practical skills that can be immediately implemented in their roles.



Course content

Course objectives

By the end of this course, participants will be able to:
• Analyse project financials to determine economic viability using advanced modelling techniques.
• Assess project risks using quantitative and qualitative risk analysis methods.
• Compare different decision-making frameworks to select the most appropriate for specific project scenarios.
• Design comprehensive risk management plans that address identified project risks.
• Construct financial forecasts that incorporate risk factors and uncertainty.
• Justify investment decisions based on detailed economic analyses and risk assessments.

Target audience

This course is suitable for:
• Project Managers seeking to enhance their financial and risk assessment skills.
• Business Analysts focused on project feasibility and decision-making processes.
• Financial Analysts involved in project funding and economic evaluations.
• Risk Managers aiming to deepen their understanding of project risk dynamics.

Target competencies

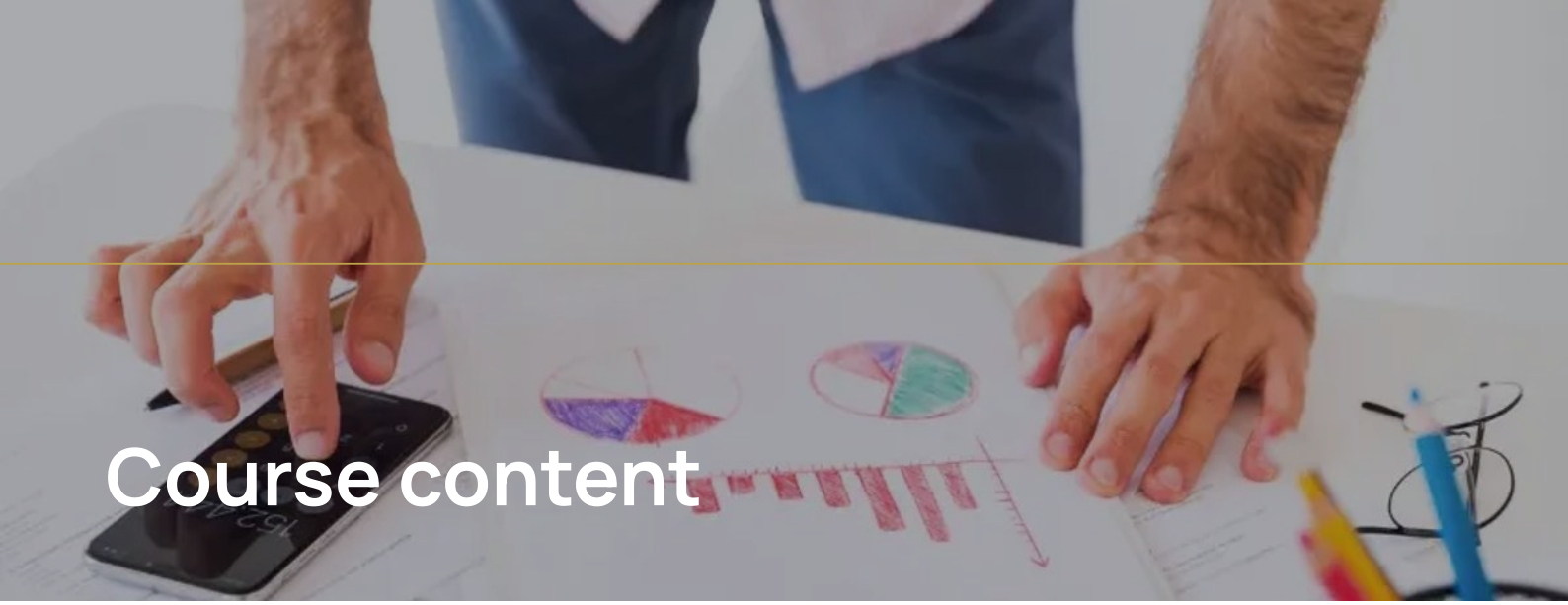
Participants will develop competencies in:
• Advanced financial modelling for project evaluation.
• Comprehensive risk assessment and management strategies.
• Effective decision-making under uncertainty.
• Integration of economic analysis with risk management processes.
• Collaboration in cross-functional project teams.
• Development of actionable risk mitigation plans.

Course outline

Day 1: Foundations of Project Economics

Applied activity: Participants will analyse a fictional project case study to calculate NPV and IRR based on provided cash flows and cost structures. They will discuss their findings in small groups, focusing on implications for project funding and stakeholder communication.
Output: A financial viability report summarising NPV and IRR calculations along with recommendations.

09:00–09:54	Introduction to project economics and its significance in decision-making.
09:54–10:48	Key financial metrics: NPV, IRR, and payback period explained in detail.



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10:48–11:00	Understanding cash flow projections and their role in project evaluation.
11:00–11:30	**Coffee break**
11:30–12:12	Understanding cash flow projections and their role in project evaluation. (continued)
12:12–13:06	Identifying cost structures and their impact on project viability.
13:06–14:00	Introduction to financial modelling techniques for project analysis.

Day 2: Risk Identification and Assessment

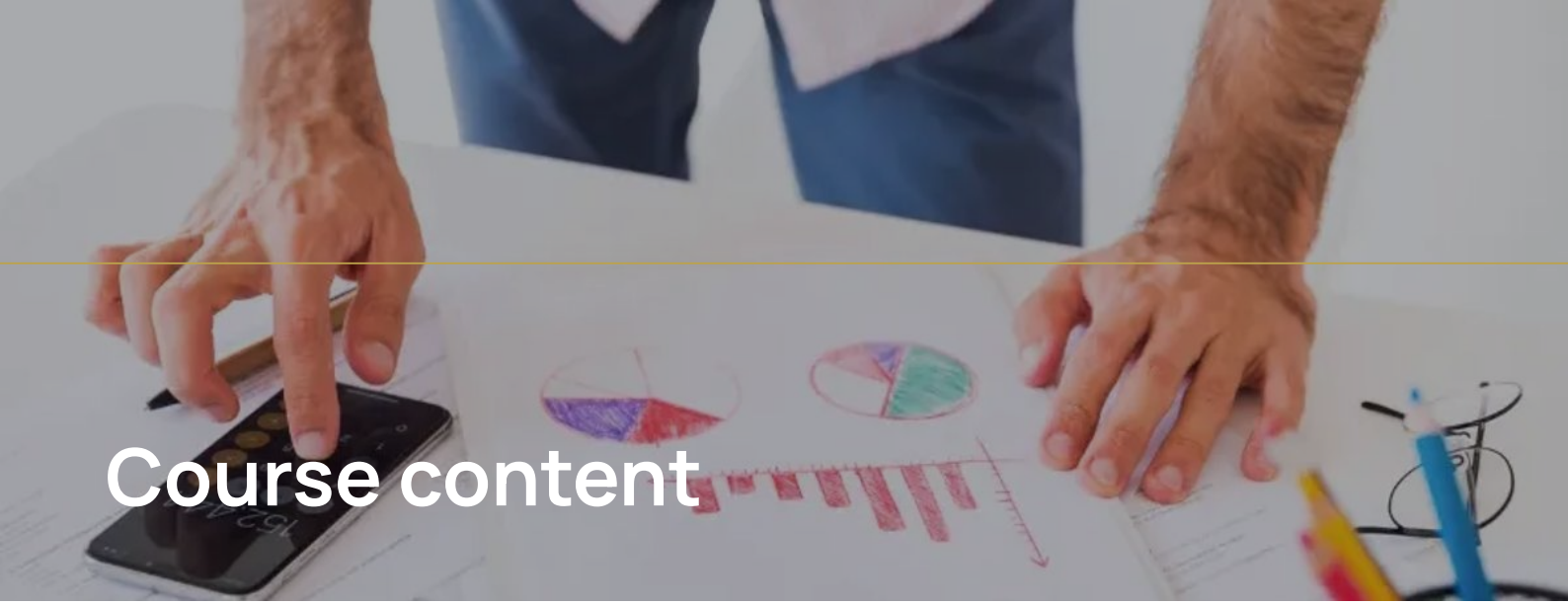
Applied activity: Using a provided project scenario, participants will identify potential risks and assess them qualitatively and quantitatively using a risk matrix and Monte Carlo simulation. They will present their findings to the group for feedback.
Output: A risk assessment report detailing identified risks, their prioritisation, and suggested mitigation strategies.

09:00–09:54	Defining risk in project management and its implications for project outcomes.
09:54–10:48	Techniques for identifying project risks: brainstorming, checklists, and expert judgement.
10:48–11:00	Qualitative vs. quantitative risk assessment methods explained with examples.
11:00–11:30	**Coffee break**
11:30–12:12	Qualitative vs. quantitative risk assessment methods explained with examples. (continued)
12:12–13:06	Utilising risk matrices to prioritise project risks effectively.
13:06–14:00	Introduction to Monte Carlo simulations for advanced risk analysis.

Day 3: Decision Analysis Techniques

Applied activity: Participants will create a decision tree for a fictional project scenario, incorporating various outcomes and probabilities. They will evaluate the best decision based on the analysis and present their rationale to the class.
Output: A decision analysis report including the decision tree, analysis of outcomes, and recommended actions.

09:00–09:54	Overview of decision-making frameworks: decision trees and payoff matrices with practical applications.
09:54–10:48	Applying sensitivity analysis to assess the impact of variable changes on project outcomes.
10:48–11:00	Understanding the role of scenario planning in project decisions and its benefits.
11:00–11:30	**Coffee break**
11:30–12:12	Understanding the role of scenario planning in project decisions and its benefits. (continued)



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12:12–13:06	Utilising multi-criteria decision analysis (MCDA) for complex decisions involving trade-offs.
13:06–14:00	Integrating risk assessment with decision-making processes for informed choices.

Day 4: Developing Risk Management Plans

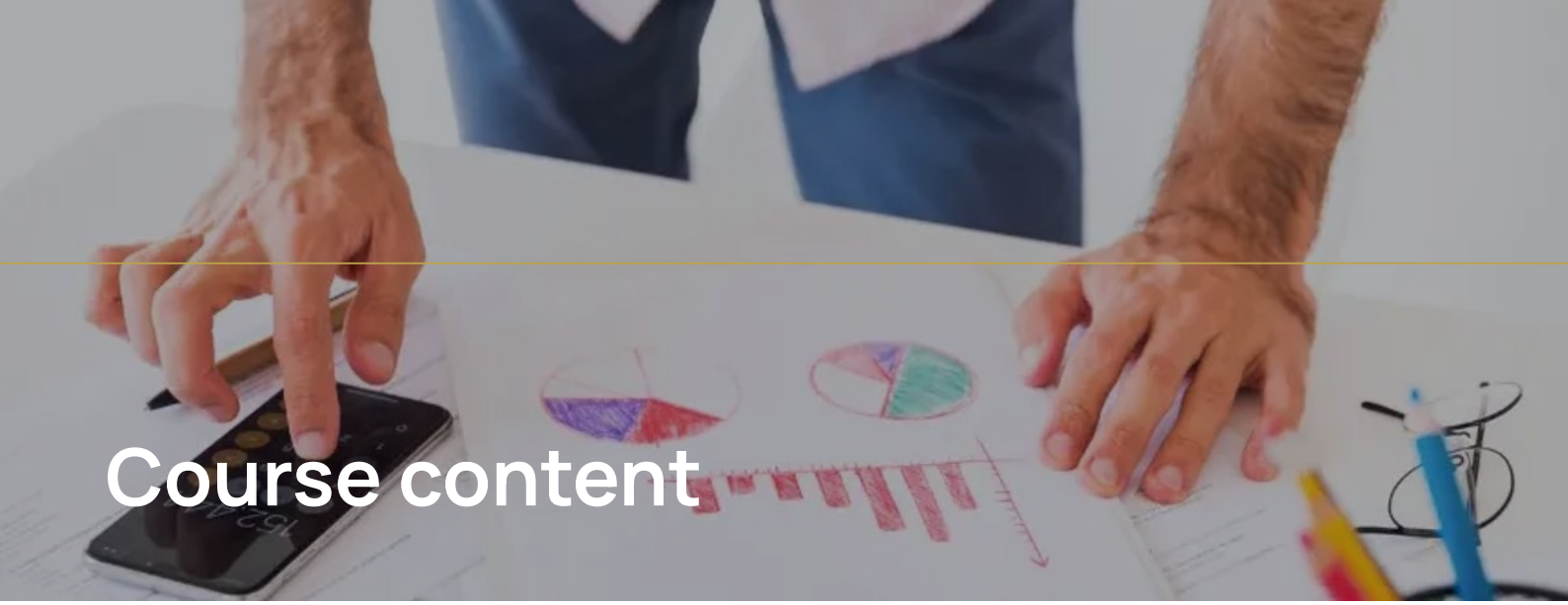
Applied activity: In groups, participants will develop a comprehensive risk management plan for a fictional project, detailing mitigation strategies, monitoring processes, and communication plans. They will present their plans to the class for critique.
Output: A complete risk management plan document, including identified risks and mitigation strategies.

09:00–09:54	Components of an effective risk management plan and their importance in projects.
09:54–10:48	Strategies for risk mitigation and contingency planning in project execution.
10:48–11:00	Monitoring and controlling project risks throughout the project lifecycle effectively.
11:00–11:30	**Coffee break**
11:30–12:12	Monitoring and controlling project risks throughout the project lifecycle effectively. (continued)
12:12–13:06	Communicating risk management strategies to stakeholders for buy-in and support.
13:06–14:00	Case studies of successful risk management in projects to illustrate best practices.

Day 5: Integrated Project Economics and Risk Decision Making

Applied activity: Participants will work on a capstone project where they must integrate financial analysis and risk management to present a comprehensive project proposal to a mock board of stakeholders. They will justify their decisions based on analysis.
Output: A final project proposal presentation and accompanying report that outlines financial and risk management strategies.

09:00–09:54	Bringing together project economics and risk management for informed decision-making.
09:54–10:48	Evaluating trade-offs between risk and return in project investments effectively.
10:48–11:00	Utilising advanced software tools for integrated project analysis and decision support.
11:00–11:30	**Coffee break**
11:30–12:12	Utilising advanced software tools for integrated project analysis and decision support. (continued)
12:12–13:06	Case studies of real-world projects demonstrating integrated approaches to economics and risk.
13:06–14:00	Final project presentation preparation to synthesise learning outcomes.



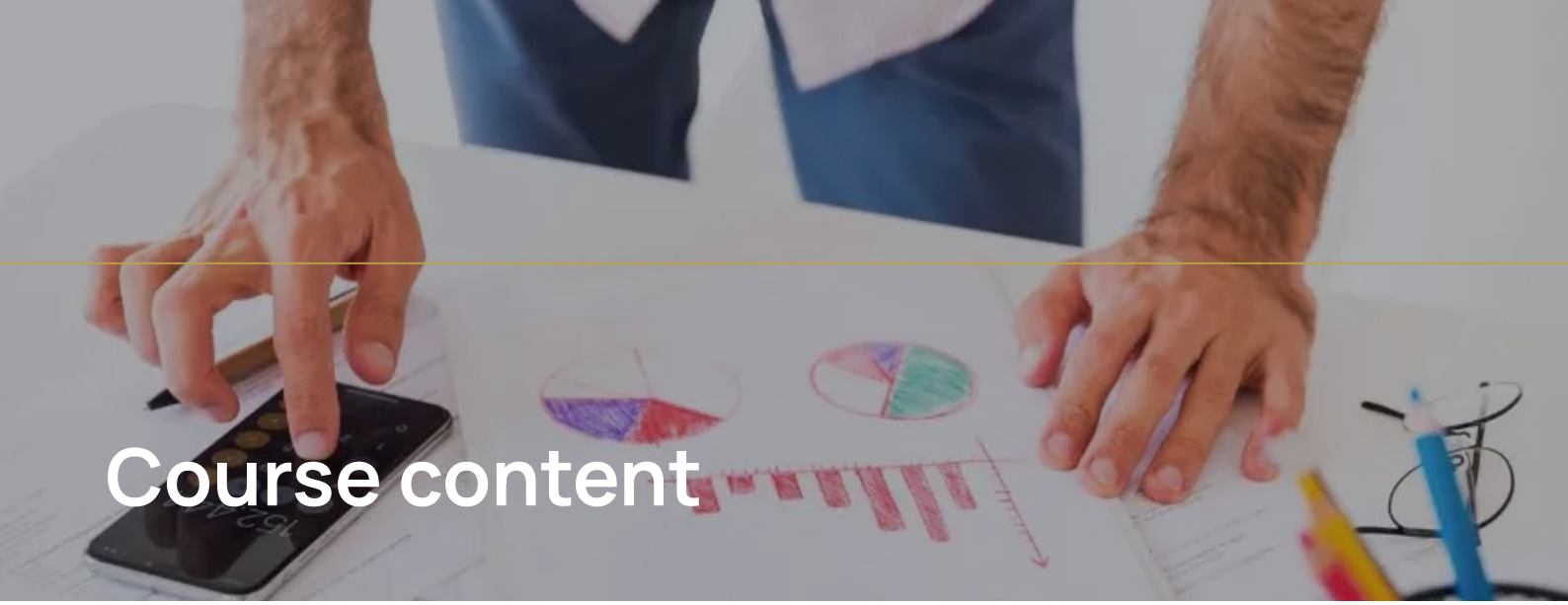
Course content

The timings provided are estimates and may vary depending on the number of participants and the discussions taking place during the sessions. They are indicative only and do not constitute a binding commitment.

Dates, venues and fees

Current published course plans. Fees are per participant in GBP, excluding unconfirmed taxes.

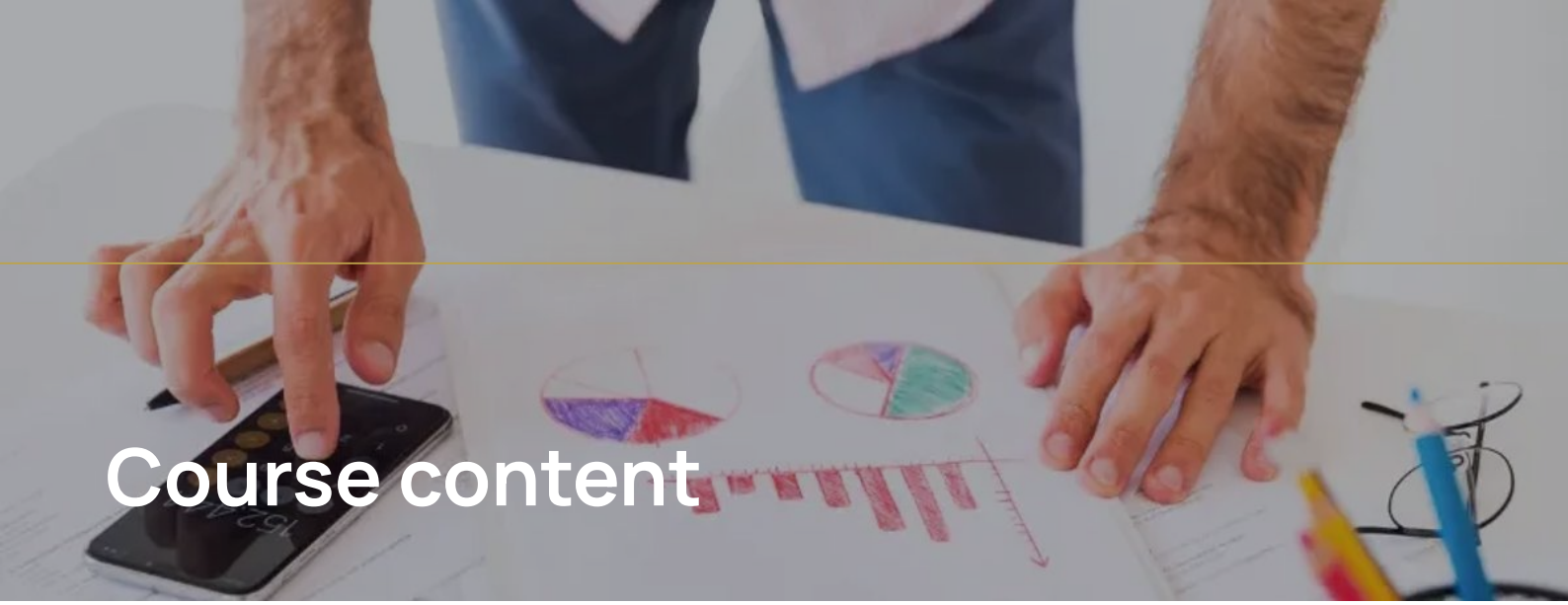
Venue	Start date	End date	Fee (GBP)
Istanbul Confirmed dates	9 Nov 2026	13 Nov 2026	**£2,650.-**
Online Confirmed dates	9 Nov 2026	13 Nov 2026	**£1,250.-**
Amsterdam Confirmed dates	23 Nov 2026	27 Nov 2026	**£2,540.-**
Online Confirmed dates	23 Nov 2026	27 Nov 2026	**£1,250.-**
Singapore Confirmed dates	7 Dec 2026	11 Dec 2026	**£2,820.-**
Online Confirmed dates	7 Dec 2026	11 Dec 2026	**£1,250.-**
London Confirmed dates	14 Dec 2026	18 Dec 2026	**£2,450.-**
Online Confirmed dates	14 Dec 2026	18 Dec 2026	**£1,250.-**



Course content

Dates, venues and fees (continued)

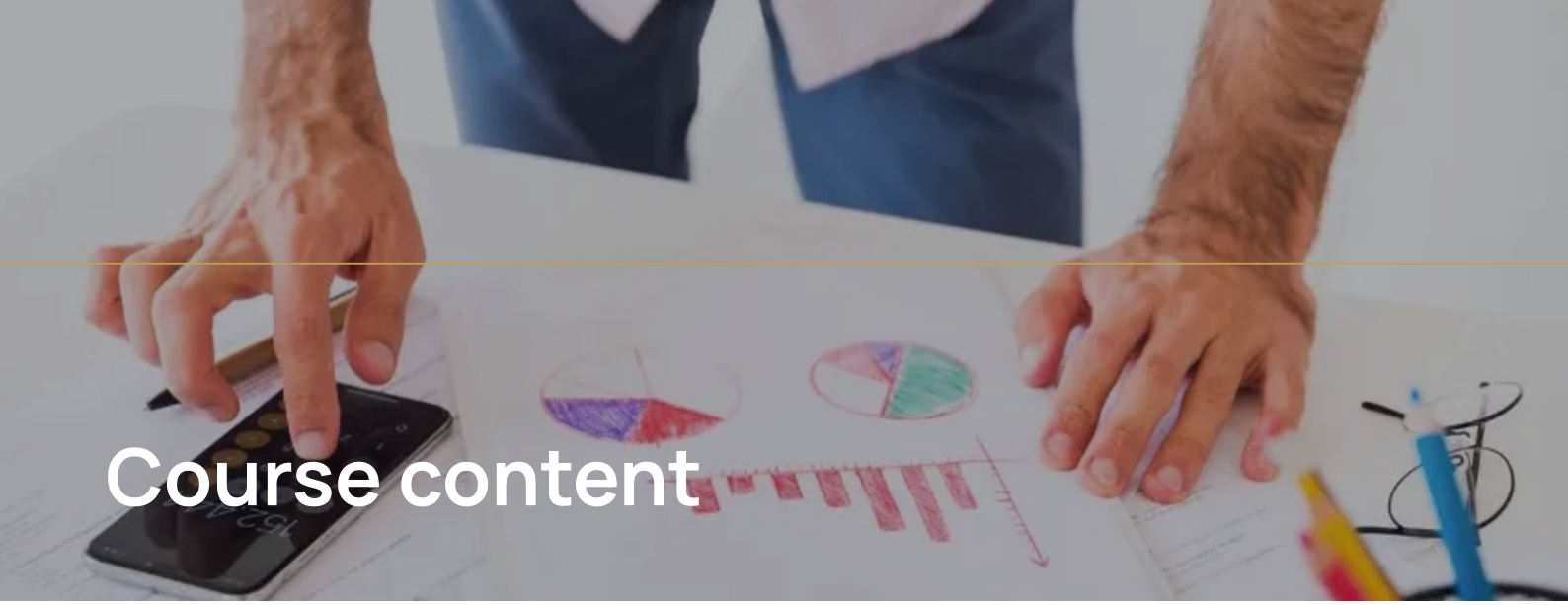
Venue	Start date	End date	Fee (GBP)
Dubai Confirmed dates	11 Jan 2027	15 Jan 2027	**£3,150.-**
Online Confirmed dates	11 Jan 2027	15 Jan 2027	**£1,250.-**
Rome Confirmed dates	18 Jan 2027	22 Jan 2027	**£2,450.-**
Online Confirmed dates	18 Jan 2027	22 Jan 2027	**£1,250.-**
Frankfurt Confirmed dates	25 Jan 2027	29 Jan 2027	**£2,650.-**
Online Confirmed dates	25 Jan 2027	29 Jan 2027	**£1,250.-**
Kuala Lumpur Confirmed dates	8 Feb 2027	12 Feb 2027	**£1,450.-**
Online Confirmed dates	8 Feb 2027	12 Feb 2027	**£1,250.-**
Paris Confirmed dates	22 Feb 2027	26 Feb 2027	**£2,860.-**



Course content

Dates, venues and fees (continued)

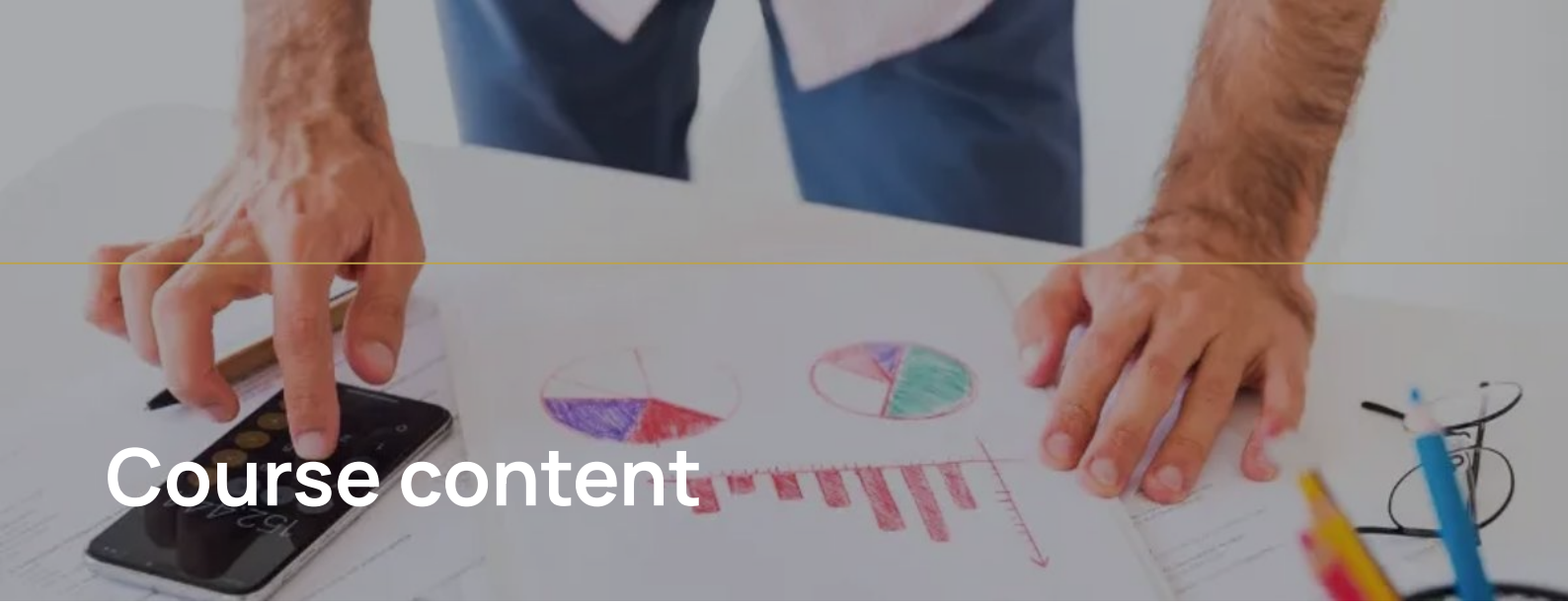
Venue	Start date	End date	Fee (GBP)
Online Confirmed dates	22 Feb 2027	26 Feb 2027	**£1,250.-**
Istanbul Confirmed dates	8 Mar 2027	12 Mar 2027	**£2,650.-**
Online Confirmed dates	8 Mar 2027	12 Mar 2027	**£1,250.-**
Cape Town Confirmed dates	15 Mar 2027	19 Mar 2027	**£1,890.-**
Online Confirmed dates	15 Mar 2027	19 Mar 2027	**£1,250.-**
Amsterdam Confirmed dates	22 Mar 2027	26 Mar 2027	**£2,540.-**
Online Confirmed dates	22 Mar 2027	26 Mar 2027	**£1,250.-**
Singapore Confirmed dates	12 Apr 2027	16 Apr 2027	**£2,820.-**
Online Confirmed dates	12 Apr 2027	16 Apr 2027	**£1,250.-**



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Dates, venues and fees (continued)

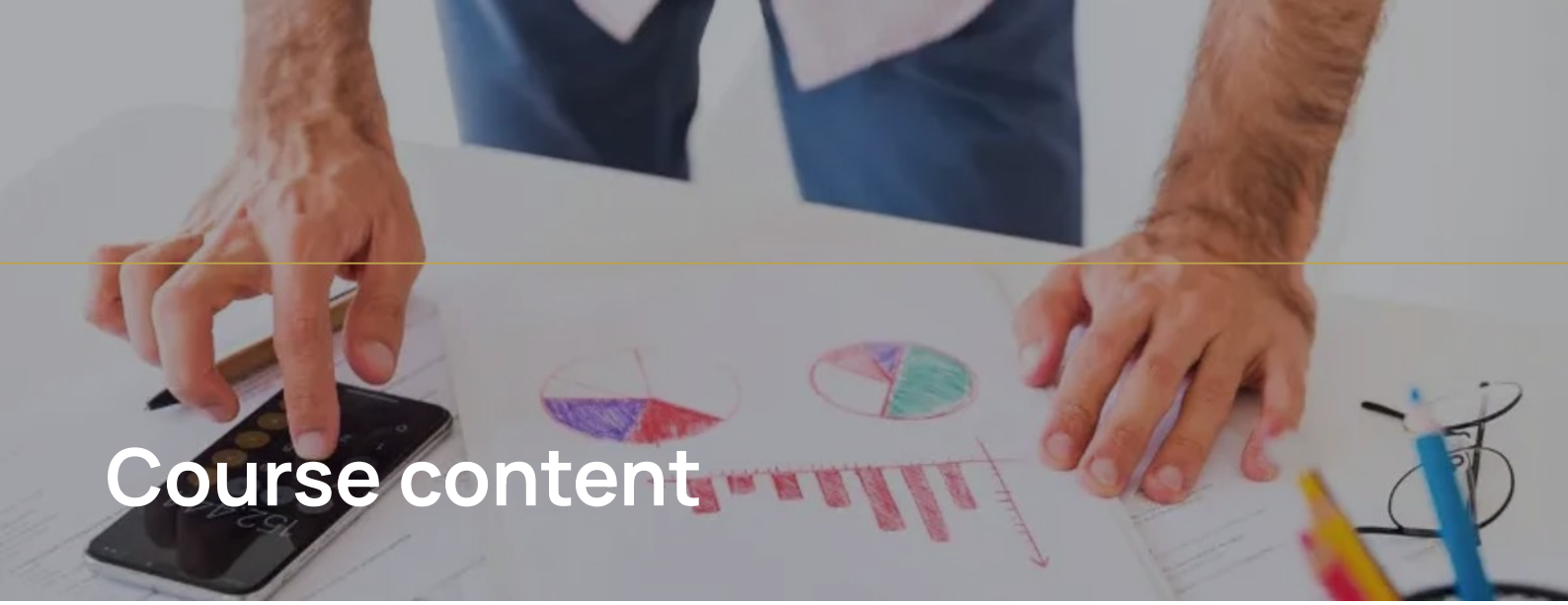
Venue	Start date	End date	Fee (GBP)
London Confirmed dates	26 Apr 2027	30 Apr 2027	**£2,450.-**
Online Confirmed dates	26 Apr 2027	30 Apr 2027	**£1,250.-**
Dubai Confirmed dates	10 May 2027	14 May 2027	**£3,150.-**
Online Confirmed dates	10 May 2027	14 May 2027	**£1,250.-**
Rome Confirmed dates	17 May 2027	21 May 2027	**£2,450.-**
Online Confirmed dates	17 May 2027	21 May 2027	**£1,250.-**
Frankfurt Confirmed dates	24 May 2027	28 May 2027	**£2,650.-**
Online Confirmed dates	24 May 2027	28 May 2027	**£1,250.-**
Kuala Lumpur Confirmed dates	14 Jun 2027	18 Jun 2027	**£1,450.-**



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Dates, venues and fees (continued)

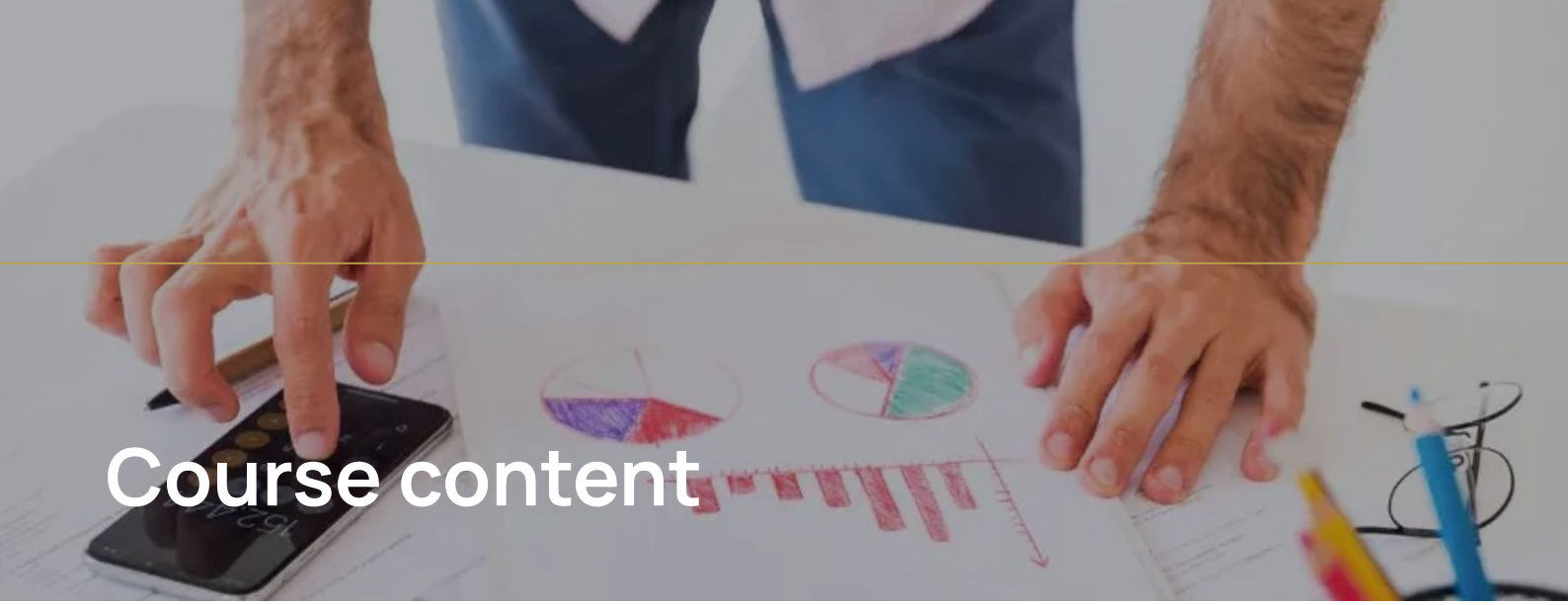
Venue	Start date	End date	Fee (GBP)
Online Confirmed dates	14 Jun 2027	18 Jun 2027	**£1,250.-**
Paris Confirmed dates	21 Jun 2027	25 Jun 2027	**£2,860.-**
Online Confirmed dates	21 Jun 2027	25 Jun 2027	**£1,250.-**
Istanbul Confirmed dates	12 Jul 2027	16 Jul 2027	**£2,650.-**
Online Confirmed dates	12 Jul 2027	16 Jul 2027	**£1,250.-**
Barcelona Confirmed dates	19 Jul 2027	23 Jul 2027	**£2,840.-**
Online Confirmed dates	19 Jul 2027	23 Jul 2027	**£1,250.-**
Amsterdam Confirmed dates	26 Jul 2027	30 Jul 2027	**£2,540.-**
Online Confirmed dates	26 Jul 2027	30 Jul 2027	**£1,250.-**



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Dates, venues and fees (continued)

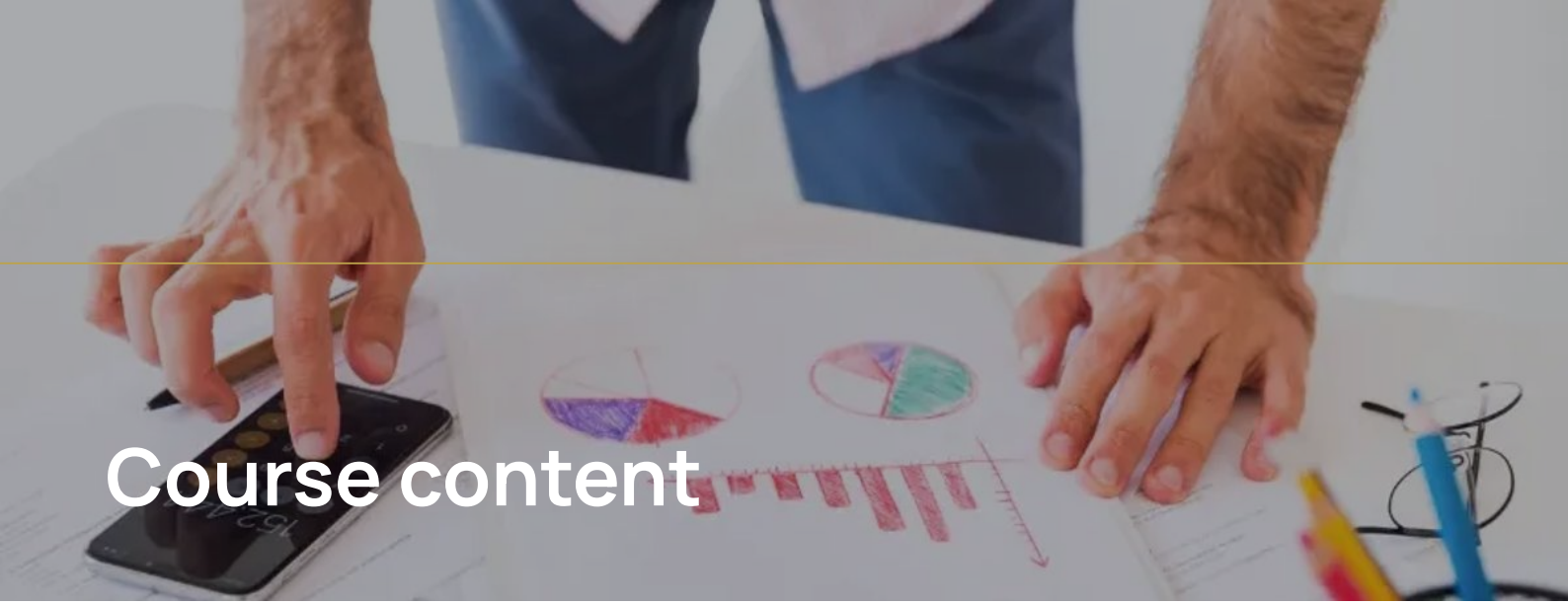
Venue	Start date	End date	Fee (GBP)
Singapore Confirmed dates	9 Aug 2027	13 Aug 2027	**£2,820.-**
Online Confirmed dates	9 Aug 2027	13 Aug 2027	**£1,250.-**
London Confirmed dates	23 Aug 2027	27 Aug 2027	**£2,450.-**
Online Confirmed dates	23 Aug 2027	27 Aug 2027	**£1,250.-**
Vienna Confirmed dates	6 Sept 2027	10 Sept 2027	**£2,940.-**
Online Confirmed dates	6 Sept 2027	10 Sept 2027	**£1,250.-**
Dubai Confirmed dates	13 Sept 2027	17 Sept 2027	**£3,150.-**
Online Confirmed dates	13 Sept 2027	17 Sept 2027	**£1,250.-**
Frankfurt Confirmed dates	20 Sept 2027	24 Sept 2027	**£2,650.-**



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Dates, venues and fees (continued)

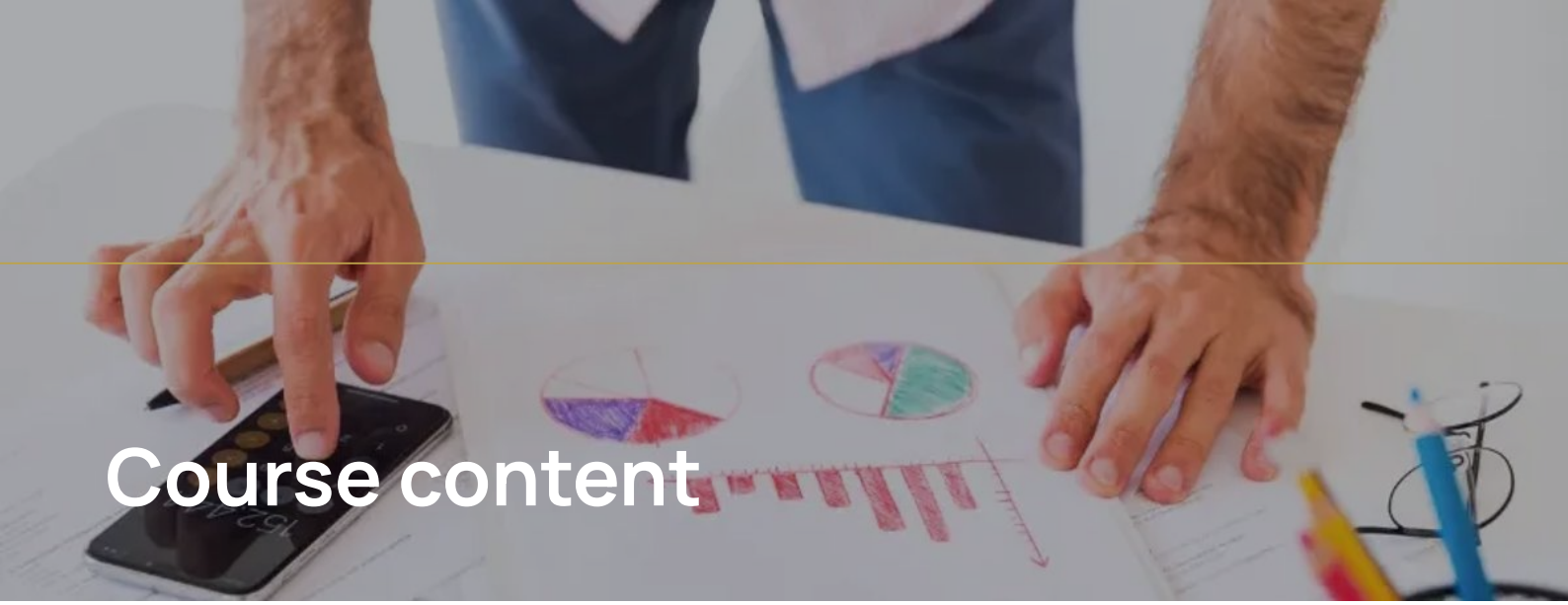
Venue	Start date	End date	Fee (GBP)
Online Confirmed dates	20 Sept 2027	24 Sept 2027	**£1,250.-**
Kuala Lumpur Confirmed dates	11 Oct 2027	15 Oct 2027	**£1,450.-**
Online Confirmed dates	11 Oct 2027	15 Oct 2027	**£1,250.-**
Paris Confirmed dates	25 Oct 2027	29 Oct 2027	**£2,860.-**
Online Confirmed dates	25 Oct 2027	29 Oct 2027	**£1,250.-**
Istanbul Confirmed dates	8 Nov 2027	12 Nov 2027	**£2,650.-**
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Course content

Plan your next step

Dates, availability, exact venue, taxes, inclusions and payment terms require written confirmation. This brochure is not a quotation, registration, booking confirmation or visa invitation. Participants receive a Smart Horizon UK certificate of attendance; programmes are not externally accredited and do not award a professional qualification or designation. Confirm arrangements before booking travel.

For group or in-house training, contact our learning team to discuss your objectives and delivery arrangements.

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