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COURSE BROCHURE

# Critical Thinking for Better Judgement Under Uncertainty Training Course

30 May – 3 June 2027
Online

# Critical Thinking for Better Judgement Under Uncertainty Training Course

**Ref:** 2082_76719 **Date:** 30 May – 3 June 2027 **Location:** Online **Fees:** 1900 GBP

Critical Thinking for Better Judgement Under Uncertainty is a 1-week training course for professionals and managers who make judgement calls with incomplete facts, and each participant leaves with a Judgement Calibration Log. Organisations now face faster decisions on thinner evidence, so the quality of individual judgement, not the volume of information, separates sound choices from costly ones. Jupiter Prime Training offers Critical Thinking for Better Judgement Under Uncertainty.

## Why Critical Thinking for Better Judgement Under Uncertainty Matters Now

Three forces push judgement into the spotlight. Volatile markets shorten the time between signal and decision. Automated dashboards and forecasts produce confident numbers that still need a human to question their assumptions. Boards, auditors and clients increasingly ask how a call was reached, not only what was decided. Organisations whose people reason in probabilities and record their confidence make fewer avoidable errors and learn faster from each miss. The course rests on established practice in probabilistic reasoning, argument mapping and decision analysis.

## Who Gains Most from Critical Thinking for Better Judgement Under Uncertainty

- Those approving budgets, hires or contracts on partial evidence
- Managers weighing rival recommendations from specialists
- Estimators of duration, demand or cost before facts settle
- Staff assessing incidents, claims or complaints
- Advisers who brief senior leaders on confidence levels

Operations, finance and project groups gain most when several members attend together, leaving with a shared way of stating odds.

## Critical Thinking for Better Judgement Under Uncertainty Capabilities

Participants replace gut feel and false precision with explicit, testable judgement:

- Assess arguments by separating claims, reasons and hidden premises — the sponsor approving a proposal
- Calculate rough probabilities from base rates and reference classes — estimates given to senior leaders
- Test evidence for source quality, sample size and alternative explanations — investment and procurement choices
- Weigh options against explicit decision criteria and reversibility — the decision owner and affected teams
- Apply a prospective hindsight exercise to expose failure paths before commitment — project and change sponsors
- Build a calibration record comparing stated confidence with outcomes — line managers and mentors

## Key Critical Thinking for Better Judgement Under Uncertainty Terms

- Base rate — How often an outcome occurs across similar past cases; the starting point for an estimate.
- Calibration — The match between stated confidence and how often a person turns out right.
- Reference class — A group of comparable past situations chosen to anchor a forecast in real outcomes.
- Hidden premise — An unstated assumption an argument needs in order for its conclusion to follow from its reasons.
- Reversibility — How easily and cheaply a decision can be undone, which sets how much evidence it needs.
- Prospective hindsight — Imagining a decision has failed, then listing the likeliest causes before committing.

## Critical Thinking for Better Judgement Under Uncertainty Day by Day

### Day 1: Where Judgement Goes Wrong

- Judgement Error Audit — Reviewing Recent Calls That Missed and Why
- Noise and Inconsistency Checks — Comparing How Colleagues Judge Identical Cases
- Overconfidence and Anchoring Patterns — Spotting Bias in Estimates and Negotiations
- Fast Versus Deliberate Reasoning — Choosing When a Quick Call Is Acceptable
- Uncertainty Types Map — Distinguishing Risk, Ambiguity and Unknown Unknowns

### Day 2: Testing Arguments and Evidence

- Argument Mapping — Laying Out Claims, Reasons and Hidden Premises
- Source Quality Grading — Rating Reports, Experts and Vendor Claims
- Alternative Explanation Search — Ruling Out Coincidence Before Acting on a Pattern
- Sample Size and Survivorship Checks — Questioning Success Stories and Case Studies
- Steelmanning Opposing Views — Strengthening the Case Most Likely to Be Rejected

## Day 3: Reasoning in Probabilities

- Base Rates and Reference Classes — Anchoring Forecasts in Comparable Past Outcomes
- Updating on New Evidence — Adjusting Estimates by the Right Amount
- Ranges and Confidence Intervals — Replacing Single-Point Guesses With Honest Spreads
- Expected Value Sketches — Comparing Options by Likelihood and Consequence
- Forecast Decomposition — Breaking Hard Questions Into Estimable Parts

## Day 4: Weighing Options and Committing

- Explicit Decision Criteria — Setting Weights Before Options Are Compared
- Reversibility and Option Value — Matching Evidence Demands to Decision Stakes
- Prospective Hindsight Exercise — Listing Failure Causes Before Final Commitment
- Tripwires and Kill Criteria — Defining Signals That Trigger a Rethink
- Decision Rationale Note — Recording Reasoning for Auditors and Successors

## Day 5: Practising the Judgement Calibration Log

- Live Case Judgements — Applying Argument Maps to Healthcare and Logistics Scenarios
- Calibration Scoring Rounds — Comparing Stated Confidence With Revealed Answers
- Peer Challenge Panels — Testing Forecasts and Criteria Under Questioning
- Post-Decision Review Protocol — Separating Bad Luck From Bad Reasoning
- Judgement Calibration Log Completion — Setting Up Entries, Confidence Scores and Review Dates

## Applying Critical Thinking for Better Judgement Under Uncertainty After the Course

- Log ten upcoming judgement calls with a probability and range, then score them against outcomes.
- Run a prospective hindsight session before the next major commitment and record its tripwires in a decision rationale note.

## Critical Thinking for Better Judgement Under Uncertainty Questions FAQ

### What is critical thinking for better judgement under uncertainty and why does it matter now?

It is the practice of testing arguments, reasoning in probabilities and weighing options when facts are incomplete. It matters now because decisions arrive faster and forecasts look more precise than they are.

## Which roles gain most from critical thinking for better judgement under uncertainty training?

Professionals and managers who approve spending, estimate timelines or assess incidents gain most. Advisers who brief senior leaders also learn to state confidence as a range.

## How does critical thinking for better judgement under uncertainty training differ from a general critical thinking course?

It focuses on judgement when facts are missing rather than on logic in general. Most time goes to base rates, ranges, reversibility and calibration scoring.

## What do you bring back from critical thinking for better judgement under uncertainty training?

You bring back a personal log set up for recording judgement calls, stated confidence and outcomes. You also bring argument maps and tripwire lists tested on your own cases.

## Critical Thinking for Better Judgement Under Uncertainty: The Way Forward

The Judgement Calibration Log first informs the next estimate a manager gives a sponsor, because it shows whether past confidence was earned. Professionals and their mentors use it to track accuracy. After its first month, the perspective worth revisiting is reversibility: many calls treated as final can be staged, tested and adjusted.