AusIMM Courses

Metal Accounting

PROFESSIONAL CERTIFICATE

Track precisely. Reconcile confidently. Ensure integrity.

Course overview

Master the systems and standards behind accurate metal accounting.

This expert-led, 8-week course empowers mining professionals to understand and apply the AMIRA P754 Code of Practice—from raw material delivery through to saleable metal—while mastering sampling accuracy, reconciliation, and uncertainty estimation. Learn via live virtual classrooms, recorded sessions, case studies, and expert-facilitated discussions.

- Learn from industry experts
- Flexible online delivery
- Digital badge on completion

Why this course matters

Good metal accounting underpins operational excellence, solid corporate governance, and investor confidence. Mistakes in mass balance can result in financial loss and reputational damage. This course is designed to:

- Introduce AMIRA P754 Code principles and practical implementation
- Teach statistical methods to quantify measurement uncertainty
- Improve reconciliation practices from plant inputs to outputs
- Strengthen alignment with financial reporting and governance standards

Who should enrol?

AusIMM Courses are open to all, with no formal prerequisites; however, this course is ideally suited to professionals involved in metal tracking and reporting, including:

- Metallurgists and process engineers
- Geometallurgists and metallurgical accountants
- Plant operators, laboratory managers, and technical specialists
- Finance, governance, and audit teams
- Professionals aiming to enhance data-driven decision-making

PD hours
40 hours

Delivery
100% online

Duration
8 weeks

Certificate
Digital credential

Pricing

Member A$2,830
Non-member A$3,700

Prices are in Australian dollars and are inclusive of 10% GST

Discounts available when 3 or more participants book together.

Scan for more information

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What you'll learn

Gain a complete toolkit for metal accounting excellence:

- Foundations of metal accounting and the P754 Code
- Statistical measurements: bias, variability, uncertainty quantification
- Mass measurement, sampling theory, and handling heterogeneity
- Sample management, QA/QC, and lab analysis
- Data analysis, reconciliation, and inventory control
- Understanding measurement error and practical error propagation

Career outcomes

- Advance into roles like metallurgical accountant or quality manager
- Add value through enhanced compliance, confidence, and process insight
- Gain recognition for skills in sampling, statistical analysis, and reporting

Organisational benefits

- Deliver accurate and reliable metal accounting reports to stakeholders
- Reduce metal loss and increase tracking efficiency
- Strengthen internal controls and alignment with corporate finance
- Upskill teams to embed best practices in metal accountability

Measure what matters. Account for it

Metal accounting isn't optional—it's critical. This course empowers you to confidently apply best practices to maintain production integrity, support governance, and unlock greater value.

Enrol in our next intake and position yourself as a best practice leader in metal accounting. Ensure your operations measure up—accurately, reliably, and transparently.

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Facilitators

See full facilitator profiles on our course page.

Karen McCaffery
Principal, Tastufo Consulting (CPMet), MIEAust. CPEng, NER

John Jessop
Managing Director - Think Advisory Pty Ltd BSc (Geophysics)

Dr Gail Gnoinski
Principal Consultant, VinOre

Metal Accounting modules

1 Introduction to metal accounting and the P754 AMIRA Code of Practice

1. 'Metal Accounting' in the minerals industry
2. The context of the Amira Code and principles in the minerals industry
3. Motivation for and benefits of accurate metal accounting
4. Your role in providing the Competent Person with accurate and reliable information

2 Basic statistical concepts for measurement and sampling

1. Accuracy (trueness and bias) and Precision (variability)
2. Quantifying Error and Uncertainty: Types and sources, detecting changes, control charts.
3. Comparing Quantities & Variances: T Tests and Propagation of Error
4. Heterogeneity, Fundamental Sampling Error, Sampling Nomogram, Sampling Variogram

3 Mass measurement and sampling

1. Measuring mass flow
2. Sampling theory and basics
3. Sampling process streams
4. Sampling stationary materials
5. Measurement systems monitoring

4 Sample management, sample preparation and laboratory analysis

1. Sample Management and Safety, Health and Environment
2. Sample management and preparation
3. Sample Analysis and QAQC

5 Data analysis

1. Metal balancing requirements and methods
2. Handling Inventory and data
3. Reconciliation

6 The regulatory environment

1. Data storage and management principles
2. Reporting audience and objectives
3. Linking to financial reporting