

# Design and delivery of a Professional Certificate in Metal Accounting

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## ABSTRACT

The Professional Certificate in Metal Accounting is a course requested by and designed for professionals and stakeholders in the minerals industry. Professional development is often informal in the minerals industry and there is a consensus that metal accounting is often not performed well.

Some reasons for this include lack of knowledge of methodologies, site size and commodity differences, and turnover of people resulting in this essential work being delegated to the most junior and least experienced personnel. These shortcomings expose companies to risk associated with lack of transparency and accuracy in the reported metal accounts.

To address this, a Professional Certificate in Metal Accounting was designed and developed with the intent to introduce best practice guidelines aimed at improving transparency, reliability and accuracy in metal accounting. The course draws on subject matter experts to provide teaching in a collegial environment, supporting learners to develop a rich and integrated understanding of the discipline.

The course framework is based on the Amira P754 Code of Practice for Metal Accounting and associated guidelines (Amira Code). The fully online course comprises six modules and introduces learners to the principles of the Amira Code while gaining an appreciation of the underlying techniques and methodologies required to track metal production accurately and efficiently from mine to process plant and saleable products.

Building capacity in metal accounting is vital to on-going success and growth in the minerals industry. Given the time constraints of industry professionals in the modern era, considerable thought was put into learning design to foster engagement across disciplines, first principles problem solving and a continuous improvement mindset in order to develop this capacity as rapidly as possible. Here we present the key principles of learning design used in the course design and reflections following course delivery to a global cohort of minerals industry professionals.