AusIMM Courses

Business Optimisation for Mining

ASSOCIATE CERTIFICATE



Drive efficiency. Boost value. Optimise mining performance

Course overview

Unlock the full value of your mining operation through smarter business optimisation strategies.

This practical, online course equips mining professionals with the tools and techniques to improve operational efficiency, reduce waste, and enhance commercial outcomes across the value chain.

Over 5 weeks, you'll explore key optimisation principles, learn how to identify and address bottlenecks, and apply practical frameworks to support continuous improvement – all through industry-led modules and case studies.

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

Why this course matters

In today's competitive mining environment, continuous improvement isn't optional – it's essential. Operational inefficiencies can result in significant cost overruns, lost productivity, and missed opportunities.

This course is designed to:

- Introduce lean thinking and business optimisation tools
- Build internal capability for performance improvement
- Support cost reduction and value generation
- Foster a culture of innovation and efficiency

Who should enrol?

AusIMM Courses are open to all, with no formal prerequisites; however this course is ideally suited to mining professionals looking to improve operational performance, including:

- Mining and processing engineers
- Operations and production managers
- Continuous improvement teams
- Business analysts and commercial managers
- Technical services professionals
- Graduates and early-career professionals in mining

PD hours
20 hours

Delivery
100% online

Duration
5 weeks

Certificate
Digital credential

Pricing

Member $1,722
Non-member $2,100

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

Discounts available when 3 or more participants book together.

Scan for more information

ENROL NOW

onlinecourses@ausimm.com | ausimm.com/courses | (03) 9658 6150 | +61 409 063 796 (*messages only*)

What you'll learn

Develop a practical toolkit for business optimisation in mining:

- Core concepts of business optimisation and lean thinking
- Strategies for identifying inefficiencies and bottlenecks
- Tools for implementing and measuring improvement initiatives
- Case studies showcasing real-world optimisation outcomes

Career outcomes

- Step into business improvement or operations leadership roles
- Strengthen promotability with commercial and strategic skills
- Enhance your ability to deliver value across mining functions

Organisational benefits

- Reduce waste and increase productivity across operations
- Support a proactive, improvement-focused workplace culture
- Identify value-adding opportunities in every stage of the mining lifecycle
- Upskill teams to solve problems and drive sustainable growth

Think smarter. Perform better

Missed opportunities and operational inefficiencies cost mining businesses millions every year. This course empowers professionals to think critically, act strategically, and drive lasting improvements from within.

Don't leave performance gains on the table. Equip yourself or your team with the knowledge and tools to optimise mining operations and maximise business value.

ENROL NOW



Facilitators

See full facilitator profiles on our course page.



Andrew Hall
VP and Head of Mine Smarter, AMC Consultants

Business Optimisation for Mining modules

1 Business optimisation

1. Describe an overview of project evaluation, the feasibility study process and key project measures
2. Recognise that a comprehensive feasibility study is essential for developing a robust business strategy
3. Estimate cut-off grades and their impact on other strategic parameters
4. Recognise that a comprehensive strategy optimisation process delivers better project outcomes
5. Identify the impact of risk appetite on strategic decision making

2 Performance measurement, monitoring and reporting

1. Describe how good mine planning practices are essential to achieving business goals
2. Apply lagging and leading key performance indicators
3. Map mining processes
4. Recognise how data science can be used to measure performance

3 Technology and innovation

1. Describe the role technology and innovation has played in the mining industry
2. Discuss significant new and emerging technologies and innovations, and their likely impact on mine performance
3. Describe some failed interventions, and practical measures that could have avoided them

4 Benchmarking and continuous improvement

1. Plan and execute an effective benchmarking program
2. Recognise the differences between the various business improvement methods and their strengths and limitations
3. Prepare an implementation plan to achieve the desired continuous improvement outcomes
4. Describe the major components of establishing a continuous improvement program