

The Role of **Asset Management** in a Constrained Economy

SHORT
COURSE

3 - 7 July 2017

Wallenberg Centre @ STIAS

University of Stellenbosch



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Gaussian
ENGINEERING

Course Description

This year's Asset Management Course focuses on asset performance and its contribution to business objectives in the current economic climate. Most industries are feeling the effect of a slowdown in the global economy and many are operating in disrupted markets. The course aims to provide an overview of how to establish an end-to-end asset management system which drives sustainable asset performance.

Who should attend

Graduates and leaders tasked with deriving value from the ownership of assets.

This includes: Asset Managers, Operational Excellence Practitioners, personnel involved with Strategic Value Contribution and Maintenance Managers.

Course Structure

IN CLASS

DURING

Students practice applying key concepts with feedback:

- Peer-to-peer learning and understanding
- Simulations and case studies
- Theory

BEFORE

Students prepare to participate in class activities:

- Guided reading
- Review material
- Arrive with knowledge
- Consolidate thinking

OUT OF CLASS

AFTER

Students check their understanding and extend their learning:

- Assignment on learning outcomes
- Ensure that new skills have context and value in the workplace

The Goal

Over the last 6 years Gaussian Engineering and the Asset Care Research Group of the Department Industrial Engineering have teamed up to present the annual asset management course. The goal of the course is to equip asset management professionals with the skills and competencies to practically address opportunities in the workplace. The course combines theory and practical case studies to expose students to creating sustainable asset management solutions.

Course Presenters



Grahame Fogel

Grahame is the founder of Gaussian Engineering, and co-founder of the Asset Care Research Group at Stellenbosch University. Grahame is internationally recognised as an asset management thought leader and guides a team of highly motivated and capable consultants on international contracts addressing organisational asset management issues and challenges. He is widely published in books and journals and has a deep interest in adult education.



Dr Wyhan Jooste

Wyhan is registered as a professional industrial engineer. He is currently the head of the Asset Care Research Group (ACRG) and a senior lecturer at the Department of Industrial Engineering at Stellenbosch University. Before following a career in academia he worked for a decade in industry involved in local and international consulting and research and development activities in the fields of asset- and maintenance management services. Wyhan is a regular author of publications and speaker at industry conferences.

Comments from previous attendees

Absolute luxury to have attended a course with the highest level of knowledge and professionalism. Excellent course loved every day.

- Anglo Plats Production Manager

Excellent knowledge and transmitted to the audience expertly.

- Anglo Plats

Top presenters and educators, one of the best courses I have attended.

- De Beers Engineer

Speakers were brilliant and made you think.

-Production Superintendent Smelter

Course Program

DAY 1

Adopting a strategic approach to align asset management to organisation objectives.

- Making asset management into a strategic investment
- A roadmap for asset performance management
- Translation of the strategic plan
- Using ISO55000 to your advantage
- Creating a successful outcome
- Evening workshop session

DAY 2 & 3

An asset management roadmap to create sustainable asset performance.

- Data, configuration and data accuracy
- Sustaining risk managed performance understanding risk and opportunity
- Establishing a reliability basis
- Condition management
- Work management
- Managed focused improvement
- Data analytics information and knowledge
- Whole life cycle decision-making and value realisation

DAY 4

Defining the knowledge we need to meet the needs of the future.

- Industry case studies

DAY 5

Assessment for Certificate of Competence.

Costs

Only 30 students will be registered on a first come, first served basis.

COURSE	ATTENDANCE	CPD POINTS	NQF LEVEL	WORKLOAD HOURS	GROUP PROJECTS	ASSESSMENT/ PROJECT
Certificate of Competence R15,950 per Delegate	4 Days +3 hrs assessment +100 hrs project	5	8	150	1	Assesment + Project

Registration Information

Registration Procedure by 1 July 2017

- Send a request to be registered to: **assetm@sun.ac.za**
- The system will provide an invoice for full payment. Forward your proof of payment to **assetm@sun.ac.za**
- No registration is final until you have received a confirmation email from Stellenbosch University
- Only students who have paid in full by 1 July 2017 will have access to the course material electronically via the University's SUNLearn platform
- Course attendance without payment will not be permitted

PLEASE NOTE

- The course material will only be available electronically via the SUNLearn platform. It is therefore **essential that students bring a WiFi enabled laptop** to the course in order to access the interactive material online
- The **course takes place from 3-7 July 2017** inclusive at the University of Stellenbosch's Wallenberg Centre @ STIAS
- There will be an **evening session on Monday** (3 July 2017) so it is recommended that delegates find accommodation in Stellenbosch
- A **special accommodation rate** is offered at the Oude Werf Hotel:
T 021 887 4608 • hotel@oudewerf.co.za
Quote Gaussian Engineering rate
- To qualify for a **Certificate of Competence** each delegate must:
 - Attend all 4 days of the course
 - Participate in 1 group assignment
 - Pass a 3 hour assessment on the material covered on days 1-4 of the course
 - Pass a 100 hour mini research project to be completed in the workplace
- Coaching and support will be offered in the configuration and execution of the research project



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