



TWIMS

GREEN MANUFACTURING

TWIMS EXECUTIVE DEVELOPMENT PROGRAMME

Are you ready for the green revolution?

Course Price: R12000 | Date: 25th - 27th August 2020

Course overview:

The Green Manufacturing Executive Short Course considers the pertinent issues surrounding the green economy debate and why they are critical to the manufacturing sector. The course focuses on the different green discourses potentially shaping the development trajectory of manufacturing, while also providing an analysis of the key interventions and strategies that are relevant to green manufacturing.

Over the first two days of the course we will critically reflect on what green manufacturing is and examining the extent to which it really matters. We will also examine the role that competing economic ideologies have in respect of green manufacturing and evaluate the status quo in relation to global resource use. The concepts of circular economy, green supply chains and measuring true value will be applied in the context of positioning green manufacturing as a business model to be followed to achieve competitive advantage. Concepts will be reinforced by examining case studies. Emerging regulatory and legislative requirements are also focused on, as are new management philosophies relating to sustainable materials and energy use, product lifecycle management, and the ultimate green manufacturing objective: The establishment of carbon neutral industrial activity. These concepts will be synthesised into their implications for the South African manufacturing sector.

The first two days lead to a reflection and consolidation day, where syndicate teams prepare simulated “board presentations” outlining a green innovation that can be implemented in a chosen value chain. The application of learning is focused on, using opportunities and challenges based on the firms represented within the course. The day concludes with a consolidation session. Feedback on individual syndicate presentations is provided, followed by a discussion of the immediate and long-term relevance of green manufacturing.

Learning outcomes:

Participants will secure a substantially deeper understanding of Green Manufacturing challenge, and the use of a variety of strategic tools to proactively respond to emerging opportunities and challenges.

Who should attend?

Senior manufacturing managers and executives, and public-sector executives with manufacturing portfolios. The course will be taught at a post-graduate level and so executives should preferably have a graduate-level qualification. Participants who successfully complete the course will earn a Green Manufacturing course completion certificate.

Certification:

Participants who attend all 3 days of the course, and who successfully complete the assignment, will earn a TWIMS Green Manufacturing certificate.



Course Framework:

Course	Key Focus Points
Day 1	<ul style="list-style-type: none">• Course introduction, and setting of course context• Status on current global resource use and global risks to manufacturing• Considering the extent to which South African manufacturing is green• Understanding core green economy principles
Day 2	<ul style="list-style-type: none">• Analysing some of the major green disruptions reframing global manufacturing• Understanding shared value as a new business model approach• Exploring the impact of legislation on manufacturing supply chain models• Evaluating the strategic and operational merits of different green supply chain options
Day 3	<ul style="list-style-type: none">• Board presentations covering various green innovations• Learning consolidation: Defining appropriate strategic responses

Course facilitator

The course is facilitated by Prof. Justin Barnes, Associate Professor at the Gordon Institute of Business Science and TWIMS' Executive Director, and Liesel Kassier, the Metair Head of Green Manufacturing at TWIMS.



Justin has worked in the South African manufacturing sector since 1995. All of his qualifications are from the University of Natal, with his BA Hons (Geography) completed cum laude in 1994, his MSocSci (Development Studies) completed cum laude in 1995 and his PhD (Development Studies - industrial specialisation), completed in 2001. Justin has developed strategies for numerous firms, and has advised several national governments on their industrial and trade policies. He has published extensively, and his expertise has led him to work in over 30 countries.

Liesel has worked in the Green sector for 11 years. She has a Development Finance Masters (Suma Cum Laude) completed in 2019 from the Frankfurt School of Finance and Management and a BCom Hons (Economics) completed cum laude from UKZN. Liesel is currently undertaking her PhD in developing resilience indicators for organisations by examining the resource use, value, and efficiency nexus. Prior to joining TWIMS Liesel worked at the Council of Scientific & Industrial Research (CSIR) where she worked on a range of green projects. Liesel has also worked in provincial government as a Green Economy specialist.



Course cost:

The course costs R12,000 per participant. This is fully inclusive of all refreshments, teas, and lunches over the course of the three days, as well as stationery. The cost excludes accommodation.

Venue and accommodation:

The course is run at the TWIMS campus, 74 Everton Road, Kloof. Each day starts at 09:00 and concludes at 16:30. Accommodation is available on-site at an additional cost. Visit the TWIMS website (www.twimsafrica.com) for further details.

Covid-19 mitigation steps:

TWIMS follows strict protocols to mitigate the threat of Covid-19. We use an 80-seater auditorium for the class to ensure adequate social distancing is observed at all times; everyone on campus is temperature checked daily; all venues are sanitized daily; food and beverages are served individually; and the wearing of masks is strictly enforced while on campus.

Applications:

Participation is limited to a maximum of 25 executives. Application for participation can be made online at www.twimsafrica.com. TWIMS reserves the right to only accept applicants who are likely to benefit from the course and who can make a full contribution to group activities.

