



# ONLINE SHORT COURSE: CARBON FOOTPRINTING

25 - 27 NOVEMBER 2020



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# ABOUT

A carbon footprint is the amount of greenhouse gases - primarily carbon dioxide - released into the atmosphere by a particular human activity. A carbon footprint can be a broad measure or be applied to the actions of an individual, a family, an event, an organization, or even an entire nation.

In this course we focus on the carbon footprints of organisations in particular, but the tools and methods can be applied to any entity. You will learn to look at the environmental disclosure of a company and gain insight about the company's strategy and pitfalls in the same sense that you would have gained when looking at the company's financial statements.

Some perspectives will be shared on the pitfalls of the carbon industry and how these can be avoided. Given that carbon footprinting is a new and evolving science, it requires an open and considered approach.

**ENQUIRE NOW**

**REGISTER NOW**

**CONVINCE YOUR BOSS TO PAY**



**25 - 27 NOV 2020**  
**3 DAYS FULL-TIME**



**REQUIRES 7 HOURS**  
**PER DAY**  
**(SYNCHRONOUS LEARNING)**



**R5 490 INCL VAT**  
**(15% DISCOUNT FOR**  
**STUDENTS STUDYING AT**  
**THE SI AND ALUMNI)**



**THIS COURSE IS REGISTERED**  
**FOR 3 CONTINUOUS**  
**PROFESSIONAL**  
**DEVELOPMENT (CPD)**  
**POINTS**

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# THIS COURSE IS FOR YOU IF

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- You want to demystify carbon footprinting, carbon tax and water impacts in a user friendly and safe learning environment to advance your career.
- As senior manager you want to build the common ground between the various disciplines (science, engineering and commerce) required in the carbon and water footprinting field.
- You have been tasked to calculate the carbon footprint within your organisation to present to senior management.
- You want to quickly move from theory to practical industry relevant case studies to develop a skill set in carbon footprinting that complies with current legislation and saves your company taxation.
- You are a business owner that wants to make your enterprise or business carbon tax compliant.
- You are a consultant wanting to familiarise yourself with the latest carbon tax laws to increase the value you can add to your current role and build your industry network.

## AFTER COMPLETING THIS COURSE YOU WILL BE CONFIDENT IN YOUR ABILITY TO

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- ✓ Calculate a carbon footprint
- ✓ Analyse a carbon footprint and act on it
- ✓ Analyse other environmental footprints, like a water footprint
- ✓ Prepare for the legislated domestic disclosures

## CERTIFICATE AND CPD POINTS

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After completion of the course you will receive a CPD Certificate of Attendance from the Sustainability Institute. You will be able to upload this certificate to the SACNASP website to be awarded 3 CPD points.

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# WHAT WILL YOU LEARN

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## DAY 1

### BEGINNING, BACKGROUND AND BASICS

- Introductory and background discussion
- Technical terms
- Direct emissions and carbon tax

## DAY 2

### FROM DOODLING TO DOING

- Indirect emissions
- Water footprinting

## DAY 3

### INVESTIGATE AND INTERPRET

- Wrapping up concepts and revisiting problematic areas
- Group discussions
- Case studies

## DAILY SCHEDULE

- 8:30 - 9:00 Connecting, dialling in and checking that everyone has the correct material
- 9:00 - 10:00 Session 1: Primary presented by presenter
- 10:00 - 10:15 Break
- 10:15 - 10:45 Prac 1: Delegates apply principles and gets guided by presenter
- 10:45 - 11:45 Session 2: Primary presented by presenter
- 11:45 - 12:00 Break
- 12:00 - 12:30 Prac 2: Delegates apply principles and gets guided by presenter
- 12:30 - 13:30 Lunch
- 13:30 - 14:30 Session 3: Primary presented by presenter
- 14:30 - 14:45 Break
- 14:45 - 15:15 Prac 3: Delegates apply principles and gets guided by presenter
- 15:15 - 16:15 Session 3: Primary presented by presenter

*“The Carbon Footprint course is a current and topical course that provides meaningful insight into the carbon industry. I found the course to be very informative and it further provided me with the opportunity to make important contacts within the industry. I personally feel that I have been able to effectively use the information and skills gained from the course in my current work. I would highly recommend the course to anyone interested in climate change or sustainability.”*

*Megan Schulze*

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# HOW YOU WILL LEARN

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The course convenor will be taking you through the material in real time, starting at 09:00am every morning, and ending by 16:15. The course is designed to accelerate your learning process through live engagement with the course convenor and other course participants. Learning activities will include:

- > Work through downloadable and online instructional material
- > Interact with your course convenor and peers through live Zoom discussions
- > Work through practical exercises to understand the material
- > Listen to industry experts as guest lecturers
- > Watch video clips and investigate real-world examples
- > Apply what you learn to a final assignment to be submitted one week after the course ends

## TECHNICAL REQUIREMENTS

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In order to complete this course, you'll need a current email account and access to a computer and the internet, as well as a PDF Reader.

You will also need to download the Zoom app on your device and create an account. The free basic version is sufficient for this course – you do not need to upgrade to the paid version.

You may need to view Microsoft PowerPoint presentations, and read and create documents in Microsoft Word or Excel. You might need to access YouTube to watch short video clips.

## ADDITIONAL REQUIREMENTS

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Because this course is offered live, in real time, it will be necessary to clear your calendar for the three days as you will be required to be online and present for the duration of the three days. It is also recommended that you find a quiet work place where you will not be interrupted or get distracted.

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# YOUR TEACHING TEAM

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This is the team of people that will guide and support you during the course.

## YOUR COURSE CONVENOR

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Dr Marco Lotz

Sustainability Carbon Specialist | GBS Corporate Real Estate | Group Finance at Nedbank | Associate Lecturer at the Sustainability Institute.



Dr Marco Lotz holds a bachelor's degree in engineering (chemical), a master's degree in the modelling of process systems with genetic programming (chemical engineering) and a PhD in engineering management and an MBA. Marco started his career in 2006 and consulted to a wide variety of industries, including steel and cement manufacturing and precious-metal mining and processing, where he was involved in numerous carbon reduction projects. He joined Nedbank in 2010 and was appointed as the Nedbank Group Sustainability Carbon Specialist.

## YOUR SUCCESS MANAGER

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Mulweli Nethengwe

Your one-on-one support available during office hours (8am-5pm SAST) to resolve technical and administrative challenges.





SUSTAINABILITY  
INSTITUTE

# CARBON FOOTPRINTING

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**REGISTER NOW**

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@sustainabilityinstitute

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