

- Learn Biomimicry -

BIOMIMICRY MASTERCLASS

ONLINE SHORT COURSE BROCHURE

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Course design and development by



Course development sponsored by



BIOMIMICRY MASTERCLASS

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About this course



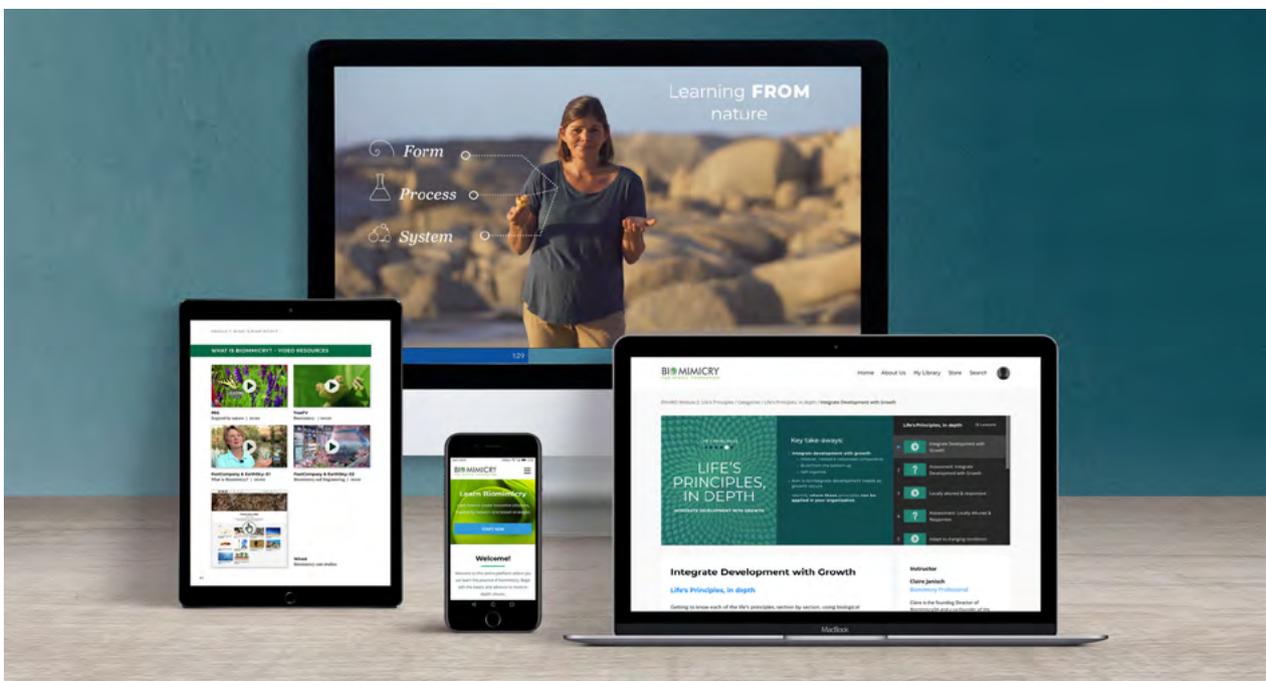
This course is for those who already have a strong foundational knowledge in biomimicry. This course advances the learnings from **Introduction to Biomimicry** and **Biomimicry Life's Principles**, and explores what the world could look like if we applied Biomimicry Thinking to the design of our world at a systems level.



The objective of this course is to provide you with a big picture view of the potential impact of following a Biomimicry Thinking framework. This course aims to showcase how, by applying Biomimicry Thinking, you can help guide and direct the design of our world towards a regenerative and resilient future, through shifting our worldview, systems and sources of inspiration.



After having completed the online courses (or relevant in-person workshops), you can follow on from here with practical experience and a mentored, 6-month Learning Journey through BiomimicrySA. This culminates in a final project and a Biomimicry Practitioner certification.

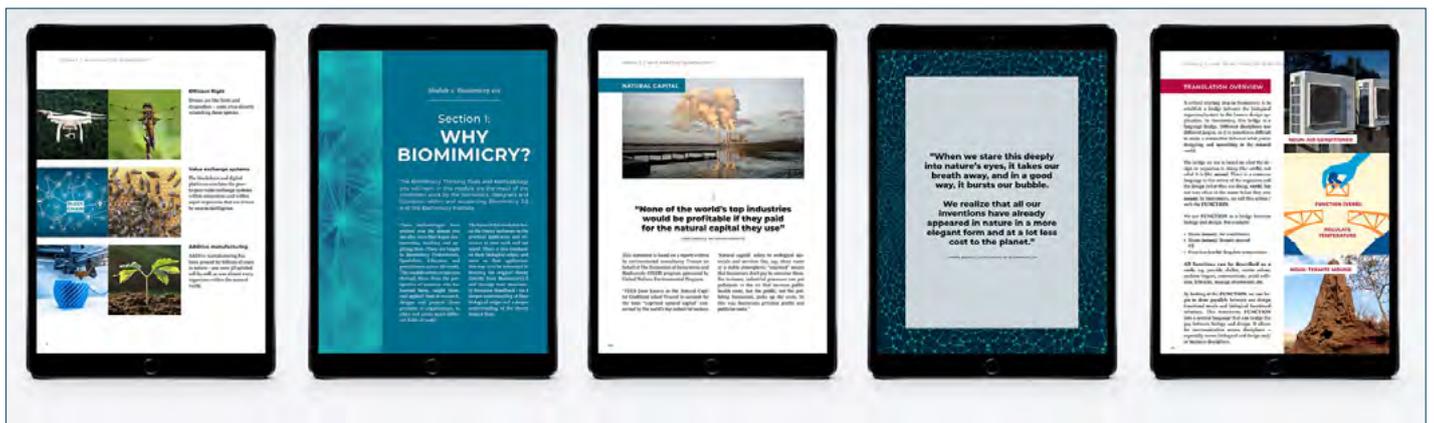
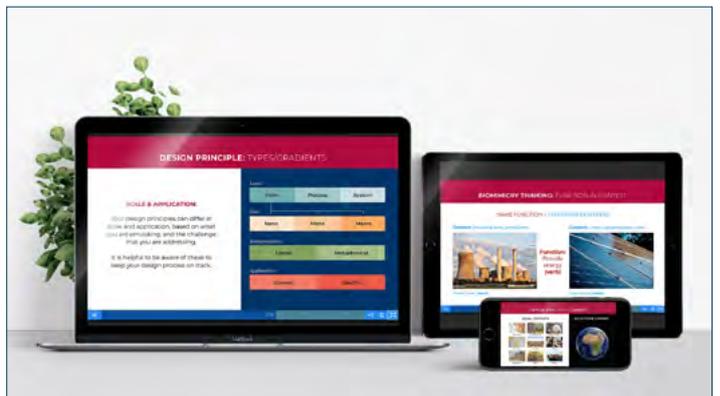
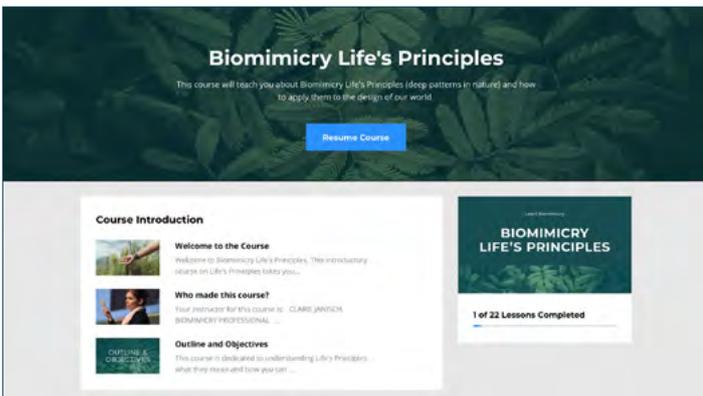
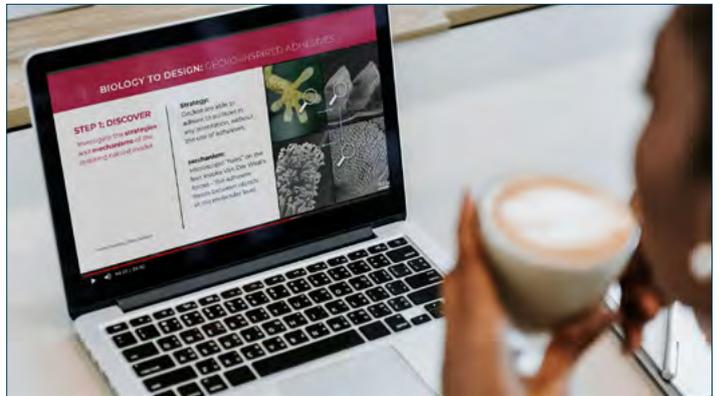
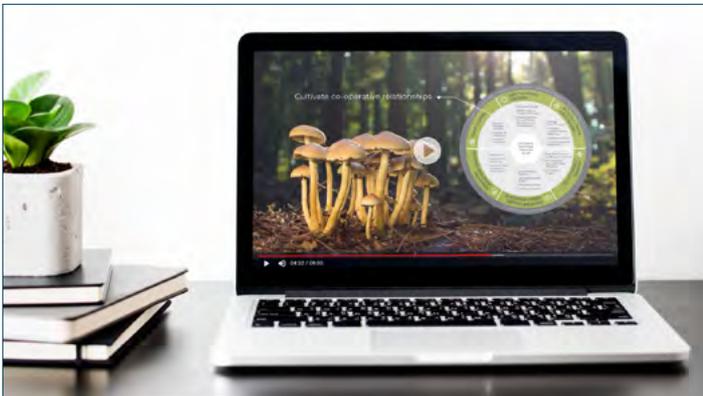


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What do the courses look like?



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Course structure



The course consists of short videos and quiz assessments for each section, as well as online pdf Handbooks with more in-depth information and links for further reading.



We recommend allowing approximately 5 hours over 1 month for this course. Courses are available for 2 months (62 days) each, after your initial access.



You can make use of our Facebook page: **Learn Biomimicry Community** to ask questions, post comments and meet other people doing the courses. We can also set up a private Group if you are going through the courses with a cohort of peers or colleagues.



Upon course completion, you will receive a Certificate of Completion.

Technical requirements



The course is accessible via almost any device, but we would recommend using a larger screen as there some detailed visuals.



The course is entirely online, so you will need internet access with a connection speed that is sufficient to stream videos.

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Course content

In this course, you will learn the application of the best of Biomimicry Thinking with Systems Thinking and Design Thinking, to intentionally evolve solutions to some of the world's systemic problems.

Taking up the challenge to solve some of the world's big, messy, systemic challenges is tough but can be exceedingly rewarding. We hope the content provided here will inspire you, and seed the redesign and rethinking of our world.

This course consists of 5 sections:

SECTION 1: INTRODUCTION & OVERVIEW

Applying biomimicry thinking at a systems level, using a forest as model, measure and mentor.

SECTION 2: INTEGRATED PERSPECTIVE

Exploring the opportunities for transformative innovation with the integration of key paradigms and practices.

SECTION 3: SYSTEMS THINKING

A brief introduction to how Biomimicry Thinking supports Design Thinking and Systems Thinking, and vice versa.

SECTION 4: PLACES TO INTERVENE IN A SYSTEM

Exploring the leverage points in a system, using examples to illustrate.

SECTION 5: BIOMIMICRY AND SYSTEMS INNOVATION

Combining the learnings from the previous courses and sections into biomimicry at a systems level; applied to water, energy, material, organisations and integrated systems.

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Course content - detail

SECTION 1: INTRODUCTION & OVERVIEW

Applying biomimicry thinking at a systems level, using a forest as model, measure and mentor.

TITLE	IN THIS VIDEO WE COVER:
Introduction and Overview	<ul style="list-style-type: none">• An overview of how biomimicry can be applied at an integrated systems level for transformative innovation, and that leading change requires a vision of where you're heading.

SECTION 2: INTEGRATED PERSPECTIVE

Exploring the opportunities for transformative innovation with the integration of key paradigms and practices.

TITLE	IN THIS VIDEO WE COVER:
Integrated Perspective	<ul style="list-style-type: none">• Recognise the opportunity for systems-level transformative innovation at the intersection of biomimicry and related paradigms.• Appreciate how applying Biomimicry Thinking can help guide and direct the next industrial revolution.

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Course content - detail

SECTION 3: SYSTEMS THINKING

A brief introduction to how Biomimicry Thinking supports Design Thinking and Systems Thinking, and vice versa.

TITLE	IN THIS VIDEO WE COVER:
Systems Thinking	<ul style="list-style-type: none">• How Biomimicry Thinking and practice can expand your Design Thinking and Systems Thinking skills and vice versa.• The tools to help you put these methods into practice.• How increasing complexity requires expanded thinking and therefore shifts in mental models.

SECTION 4: PLACES TO INTERVENE IN A SYSTEM

Exploring the leverage points in a system, using examples to illustrate.

TITLE	IN THIS VIDEO WE COVER:
Places to Intervene in a System	<ul style="list-style-type: none">• The impact of leverage points in a system and the kind of change at each level.• Using traffic congestion as an example to illustrate.

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Course content - detail

SECTION 5: BIOMIMICRY AND SYSTEMS INNOVATION

Combining the learnings from all the previous content into biomimicry at a systems level; applied to water, energy, material, organisations and integrated systems.

TITLE	IN THIS VIDEO WE COVER:
Water Systems	<ul style="list-style-type: none">• How to recognise the need for transformative innovation in water systems to address the complexity of challenges.• How Biomimicry Systems Thinking can be applied to water systems – using cities to illustrate.• The application of Biomimicry Life's Principles and Systems Thinking tools.• How to apply Biomimicry Systems Thinking to solve water systems challenges in your field.
Energy Systems	<ul style="list-style-type: none">• How to recognise the need for transformative innovation in energy systems to address the complexity of challenges.• How Biomimicry Systems Thinking can be applied to energy systems.• The application of Biomimicry Life's Principles and Systems Thinking tools.• How to apply Biomimicry Systems Thinking to solve energy systems challenges in your field.

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Course content - detail

SECTION 5: BIOMIMICRY AND SYSTEMS INNOVATION

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TITLE	IN THIS VIDEO WE COVER:
Material Systems	<ul style="list-style-type: none">• How to recognise the need for transformative innovation in material flow systems to address the complexity of challenges.• How Biomimicry Systems Thinking can be applied to material flow systems.• The application of Biomimicry Life's Principles and Systems Thinking tools.• How to apply Biomimicry Systems Thinking to solve material flow systems challenges in your field.
Organisations	<ul style="list-style-type: none">• How to recognise the need for transformative innovation in in organisations to respond to disruptive change.• How Biomimicry Systems Thinking can be applied to organisations.• The application of Biomimicry Life's Principles and Systems Thinking tools.• How to apply Biomimicry Systems Thinking to to enable your organisation to be well-adapted to disruptive change.

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Course content - detail

SECTION 5: BIOMIMICRY AND SYSTEMS INNOVATION

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TITLE	IN THIS VIDEO WE COVER:
Integrated Systems	<ul style="list-style-type: none">• How to recognise the need for transformative innovation for integrated systems.• How Biomimicry Systems Thinking can be applied to integrated systems.• The application of Biomimicry Life's Principles and Systems Thinking tools.• How to apply Biomimicry Systems Thinking to solve integrated systems challenges in your field.

BIOMIMICRY MASTERCLASS

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Behind the scenes

Your instructor for this course is:

CLAIRE JANISCH, BIOMIMICRY PROFESSIONAL

Claire is the founding Director of BiomimicrySA, she is both a graduate of and has been a trainer for the Biomimicry3.8 Professional Program. Claire spends her time exploring nature's genius in diverse ecosystems and shares this new way of viewing and valuing nature through biomimicry expeditions and coaching – teaching & training professionals, students and scholars. She also dives deeper into research for companies and organisations – translating nature's innovation and sustainability principles for the design of new products, processes & systems. Claire has been teaching and practising biomimicry for over a decade and loves most to vision and bring about new possibilities for the design of our world through the application of biomimicry at a systems level.

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This course was designed by **Claire Janisch** and **Jessica Berliner** (Instructional Designer and Biomimicry Practitioner, BiomimicrySA), with gorgeous film content and ongoing business support by **ReWild Africa**.

The creation of this course was sponsored by Exxaro, who sought to support the research and development of business models that facilitate a more sustainable and regenerative future. We thank Exxaro for being visionaries, and for making it possible for us to share this content with the world.

The Learn Biomimicry courses are **endorsed and supported by The Biomimicry Institute**, and we would like to thank them for growing this field and for cultivating co-operative relationships within it.

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Getting started



REGISTER FOR A COURSE

Simply go to the **Learn Biomimicry website**, and either click through from the product listings on the Home page or **directly visit the Store**. Once you have purchased a course you are guided to a page where you can set up your profile and start the course!



PURCHASING A COURSE

There are two basic options for purchasing a course –

- directly through PayPal on the Checkout page
- via EFT / direct Bank Transfer. In this case, let us know which course(s) you would like to purchase, and we will send you the invoice along with the respective access code(s).



When you are purchasing for 5 or more people, you are eligible for a bulk discount. NB – Make sure to contact us before you purchase!

Contact us



If you would like to know more about our upcoming events, promotions and updates, please make sure that you send us your details in the “Want to stay in the know?” form on the **Home page of the website**.



You can follow us on social media:

Instagram (@learnbiomimicry) and
Facebook (Learn Biomimicry Community)



Or email our Director any time with any comments, questions or feedback:
jess[at]learnbiomimicry.com

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