



THE
BAMBOO U
ONLINE COURSE

Detailed Information About The Course

We have gathered all that we've learned from over 10 years of building with bamboo into 10 in-depth modules over 11 weeks of everything you need to know to get your started building with bamboo.

Why Should You Take The Online Course?

This course gives you **lifetime access** to a **vault of knowledge about bamboo design and construction**. That way when you have gone on to start building your bamboo project you can revert back to all the guides and recorded videos that you learnt with us at Bamboo U.

What's more is that by signing up to the course you will be given **instant access to an online bamboo community of almost 1000 architects, designers and enthusiasts** who, like you, are interested in mastering bamboo design and construction. These will become your bamboo community who you will have access to and remain in contact with well after the course ends. Providing you with a **pool of experts and allies from around the world** who are working in the bamboo industry around the world.

The next course, and **final course of 2022** is happening on **August 19 - November 6**. This course will be your **last chance to join an online Bamboo U course that includes LIVE facilitation** by our team and live webinars and lectures by international and renowned bamboo experts. Starting January 2023, The Bamboo U Online Course will only be available in a self-paced format.

The course will run for a total of 11 weeks (with a couple of extra weeks to complete your projects and receive expert feedback from our team). The course is packed with information you need to develop a **10 modules over 11 weeks of everything you need to know to get your started building with bamboo.**

There are **10 modules in the course.**

Each module includes:

**PRE- RECORDED
CINEMATIC VIDEOS**

**WRITTEN CONTENT
AND IMAGERY**

**ASSIGNMENT
AND QUIZ**

**ILLUSTRATED,
STEP BY STEP PDFS**

LIVE SESSIONS WITH BAMBOO EXPERTS*

The weekly assignments are part of the larger course assignment **to design and build a bamboo model of your very own bamboo project.** Once complete you will receive a **Certificate of Completion.**

**Available for the LAST TIME this August*

What is included in the course?

Module 1: **BAMBOO IN THE BIG PICTURE**

This first module is the introduction to bamboo and its potential vital role it can play towards a more sustainable and regenerative future for design and construction. It also includes 3 videos of a conversation recorded between Orin Hardy, Elora Hardy & Thomas Heatherwick!

Module 2: **BAMBOO TAXONOMY AND PHYSIOLOGY**

On the second week of the course, you will be learning all about the biological structure of a bamboo culm and clump, as well as how to identify the best species for YOUR construction project. We will discuss all of the different species we use here in Bali in construction and many others which are used around the world.

Module 3: **SUSTAINABLE BAMBOO FORESTRY AND HARVESTING**

Continuing on with the understanding of bamboo as a plant, we move on to the topic of sustainably harvesting bamboo. The intention of the course is to teach you all about how to work with bamboo in a healthy and sustainable way, not only for your own project but for our planet as well.

Module 4: **BAMBOO PRESERVATION**

Knowing how to treat or preserve your bamboo is amongst the most important skills a bamboo architect can have. This module will explain the different methods of treating your bamboo sustainably, as well as give you a step-by-step video (and written) guide on how to treat bamboo in your own backyard.

Module 5: **BAMBOO MODEL MAKING (DELIVERED OVER TWO WEEKS)**

This module is now distributed over the course of two weeks because it is packed full of technical information of how to build your own bamboo model, which is your final course assignment. There are multiple step-by-step guides, as well as detailed information about how to best use your model for your project and its design development.

Module 6: **DESIGNING WITH BAMBOO**

The sixth module of the Online Immersion is devoted to teaching you all of IBUKU's tips and tricks for designing beautiful, organic and sustainable bamboo structures. IBUKU's founder, Elora Hardy, will delve into the many aspects of design they take into account when they receive a design brief. She also will dissect one of IBUKU's most beautiful and complex projects.

Module 7: **BAMBOO AND ENGINEERING**

Whilst engineering is often an intimidating topic for most people, but we make it simple in Module 7. We bring you into the mechanics of why bamboo is a successful material for construction. We will detail its many properties, comparing it with other common construction materials, such as steel, concrete and timber.

Module 8: **BAMBOO CARPENTRY & JOINERY BASICS**

This topic is one of our favourites to teach during our in-person 11-Day Build & Design Immersion in Bali, because it opens your eyes to the strength and complexity of bamboo as a building material. Moko, one of master carpenters, will detail the steps to make some of the traditional joints we use in our construction projects as well as explain all the tools you will need for your bamboo construction project, from start to finish.

Module 9: **PROCESSING BAMBOO**

Module 9 brings you into the world of transforming bamboo as a round pole into various shapes and products to be used in your furniture and design projects. We often use the round pole for our main structures in Bali but processed bamboo is very useful for walls, flooring and roofing!

Module 10: **BUILDING A BAMBOO STRUCTURE**

Lastly, we will delve deep into the the world of bamboo construction as a topic in itself. The module is planned so as to teach you 3 different types of structures you can build with bamboo and how you can achieve them at home with detailed step-by-step guides. We also included a design and construction analysis of the Arc at Green School Bali as a bonus section!

Each Module is completed with a Deep Dive section with many extra resources for you to dig deeper into the world of bamboo knowledge.

Downloadable PDF Guides, Charts & Templates

We know very well that sometimes it is hard to watch videos on end to learn how to do something, that is why we have made some very detailed step-by-step guides for all of the course's bamboo tutorials. These guides have graphics, templates and tie in to the course so you never feel like you are missing out on the instructions or the education content at the heart of the Bamboo U Online Course.

- Bamboo Species Comparison Chart
- Guide to Sustainable Bamboo Harvesting
- Guide to Bamboo Propagation
- Treatment Methods Comparison Chart
- Guide to Vertical Soak and Diffusion Treatment
- Guide to Model Making: the Hyperbolic Tower
- Guide to Model Making: the Kubu Project
- 3 Model Making Templates (the Kubu Project)
- Guide to Bamboo Load Test
- Guide to Traditional Bamboo Joinery
- Bamboo Carpentry Tool Guide
- Bamboo Processing Tool Guide
- Guide for Construction: Post & Beam Structure
- Guide for Construction: Gridshell Structure
- Guide for Construction: the Hyperbolic Tower
- Bamboo Model Assignment Template

... and more documents to download during the Live Sessions!

The Bamboo Model Making Material List

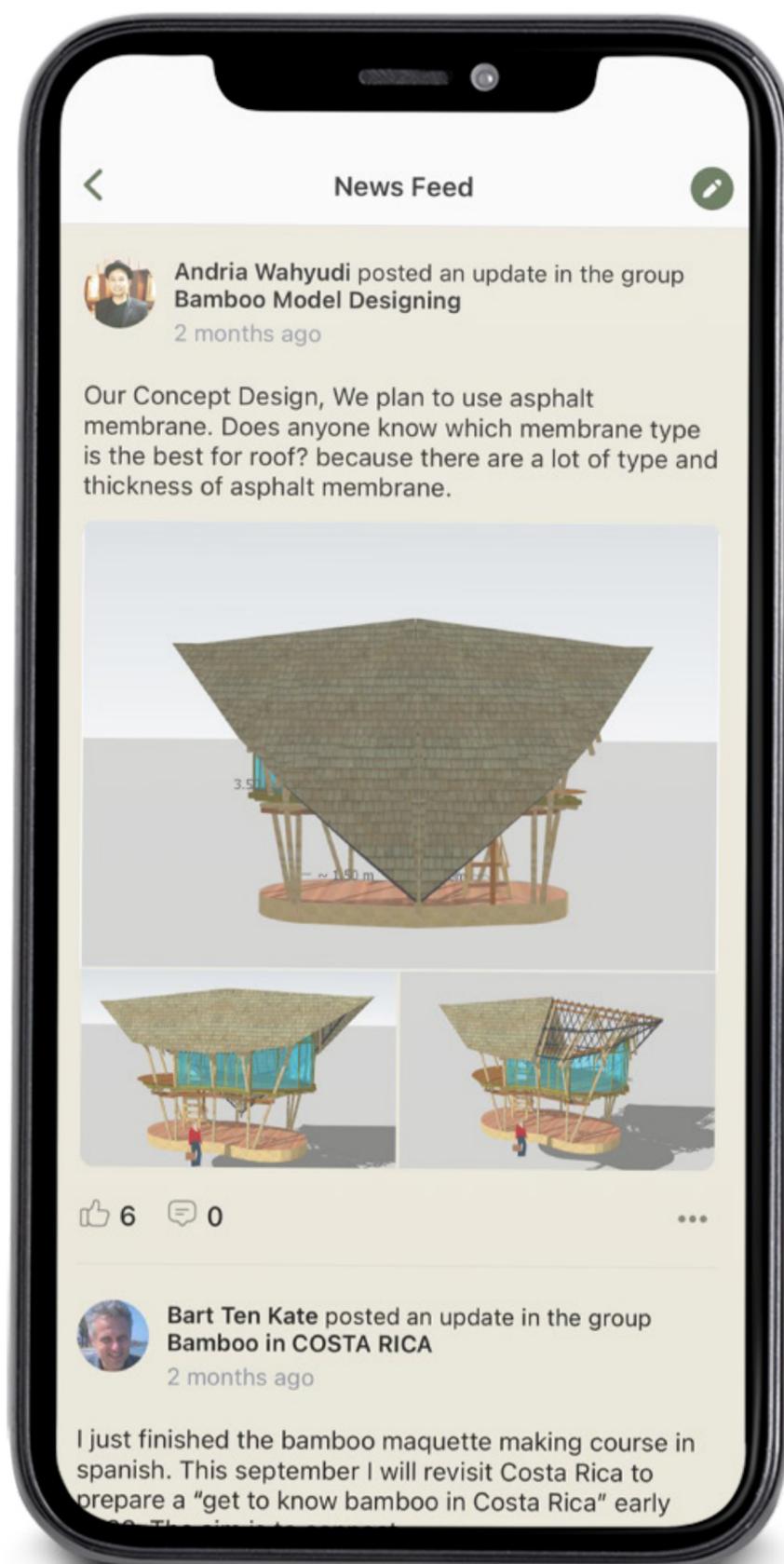
An important component of the Bamboo U Online Course is the opportunity to learn how to design a bamboo structure. The bamboo model, using bamboo model making sticks or skewers is the most accurate (and lucrative!) way to develop your design. To present a beautiful, finalised bamboo model will in essence be the Final Course Assignment required to complete the course and receive the Certificate of Completion.

Digital Course Glossary

During the course, you will encounter a lot of new vocabulary that is almost exclusively used in the bamboo design and construction world. That is why we created a special page in the course with all of the words and expressions that might sound new with detailed definitions so you never feel lost in the learning content of the course!

Inside The Bamboo U Online Learning Platform & App

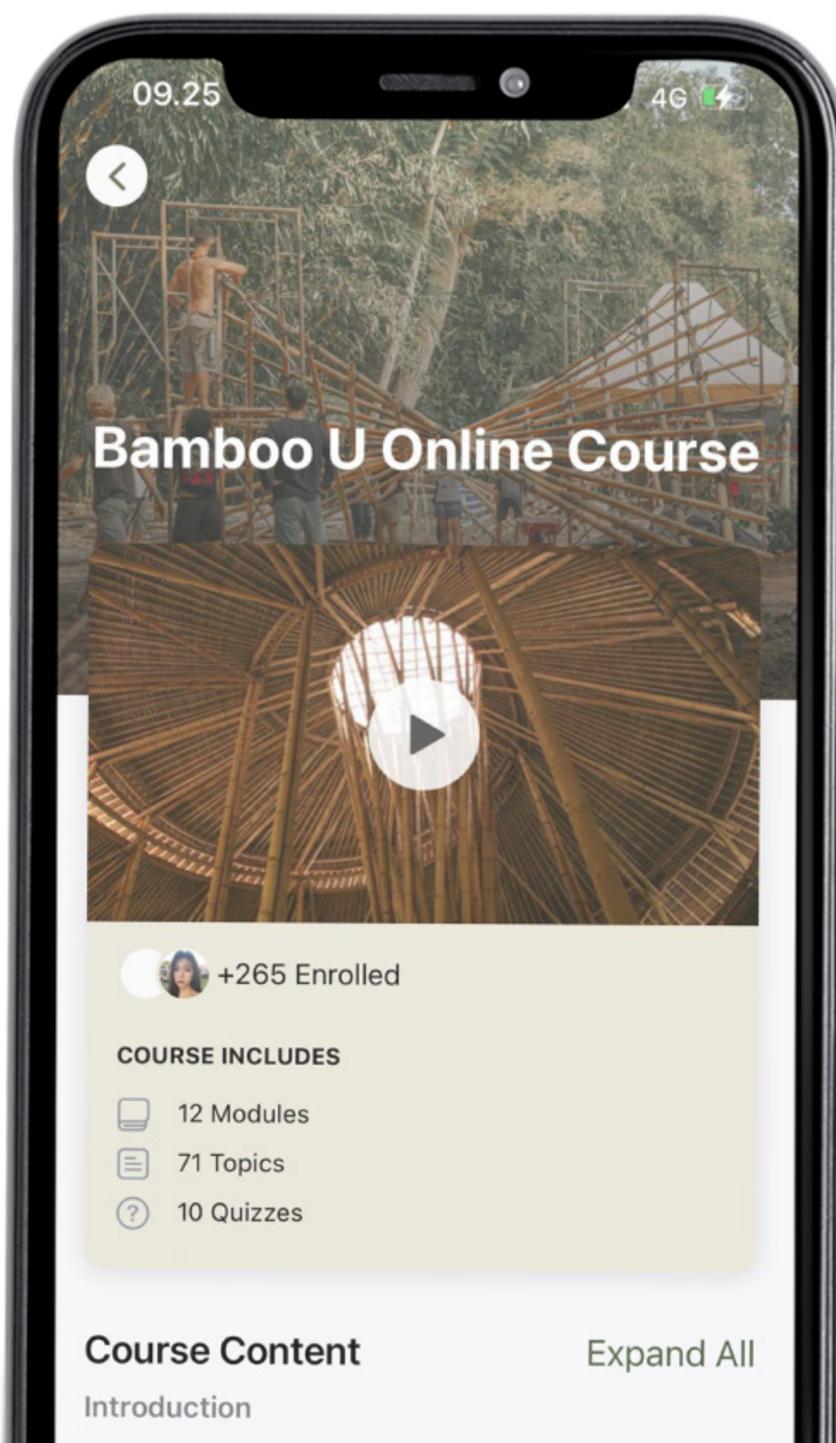
The Bamboo U Online Learning Platform and Online App is the equivalent of the classroom and workshop space. As you enter the desktop platform or mobile app you will see the Main Categories (**Activity, Groups, Members, Courses**) at the top of the page.



The Learning Platform: Entering the Course

In the course, you will find the **Module Toolbar**. This is where you can access the different course modules, including the **Introduction Module**, the **Learning Modules** and the **Assignment Submission**. Any word or expression you do not yet understand can be found in the **Glossary & Vocabulary**.

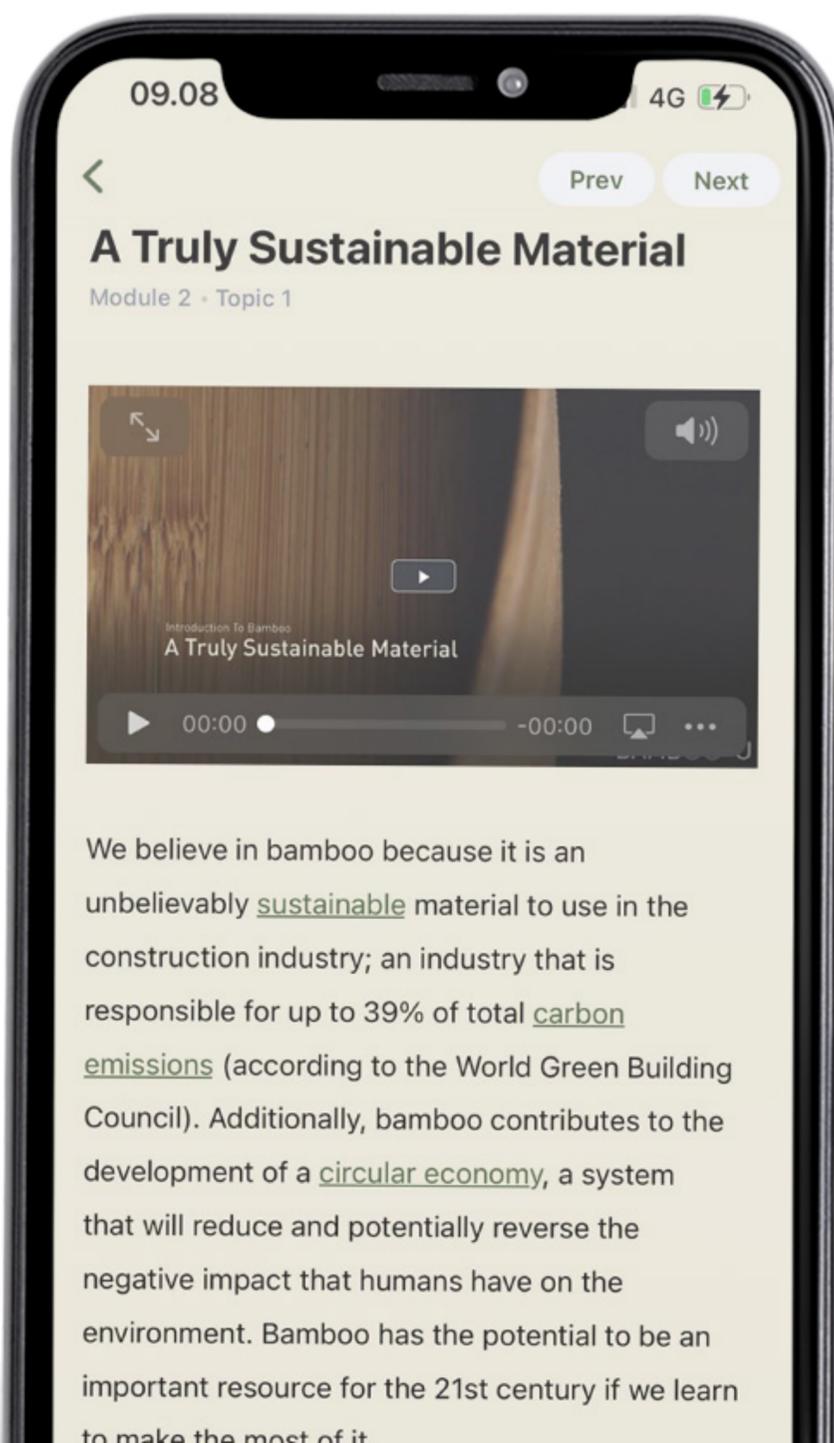
The **Profile** tab will give you access to your own profile. The **Settings** will help you customise your interactions with the Bamboo U Online Platform. You can also access the rest of the Bamboo U community from this page by clicking on **Activity**, **Groups** or **Members**.



The Learning Platform: The Learning Module

Each Learning Module is divided into different **Sections** which you can mark as “completed” as you make your way through the content yourself. Each section’s **Learning Content** has at least one video and some written content for you to understand that specific topic about bamboo design and construction. Note that you need to “complete” all the module sections to access the next module. This allows you to track your **Progress** throughout the course.

For each Learning module, one of the section is the module Quiz. Successfully complete the quizzes before proceeding to the next module.



The Schedule

The **Opening Circle** is the kick-off event of the course, where you get formally introduced to the facilitators and the Bamboo U Team. It is also our first chance to get to meet you! We will also use it as an opportunity to clear up any misunderstandings about the running of the course.

New Modules are released weekly. Your course content is also complemented by our bamboo experts from around the world. You will have Core Expert Live Sessions weekly. Additionally, you will have occasional Bonus Live Sessions from other expert Guest Speakers.

The Bamboo U Online Course comes to an end with the **Closing Circle**. All Live Sessions will be scheduled according to our guest expert's schedule and the majority time-zone of our student cohort. We try our best to diversify schedules to accommodate as many time zones as possible.

Here is a Sample Schedule for you to get an idea of what the schedule will look like. You will receive a completed schedule close to the start of the course.

The rest of the schedule follows the same pattern, with new modules being released weekly.

***Please note:** the schedule is subject to changes based on the availability of guest bamboo experts who will be joining to teach from different parts of the world.

The Certificate of Completion

The Bamboo U Online Course Certificate Of Completion is given to those who successfully complete most of the modules and submit a final project.

The Weekly Assignments follow the content of the different Learning Modules. And the Final Assignment uses the content of the Weekly Assignments. Basically, if you work on the weekly assignments regularly, you are making progress towards the Course Final Assignment.

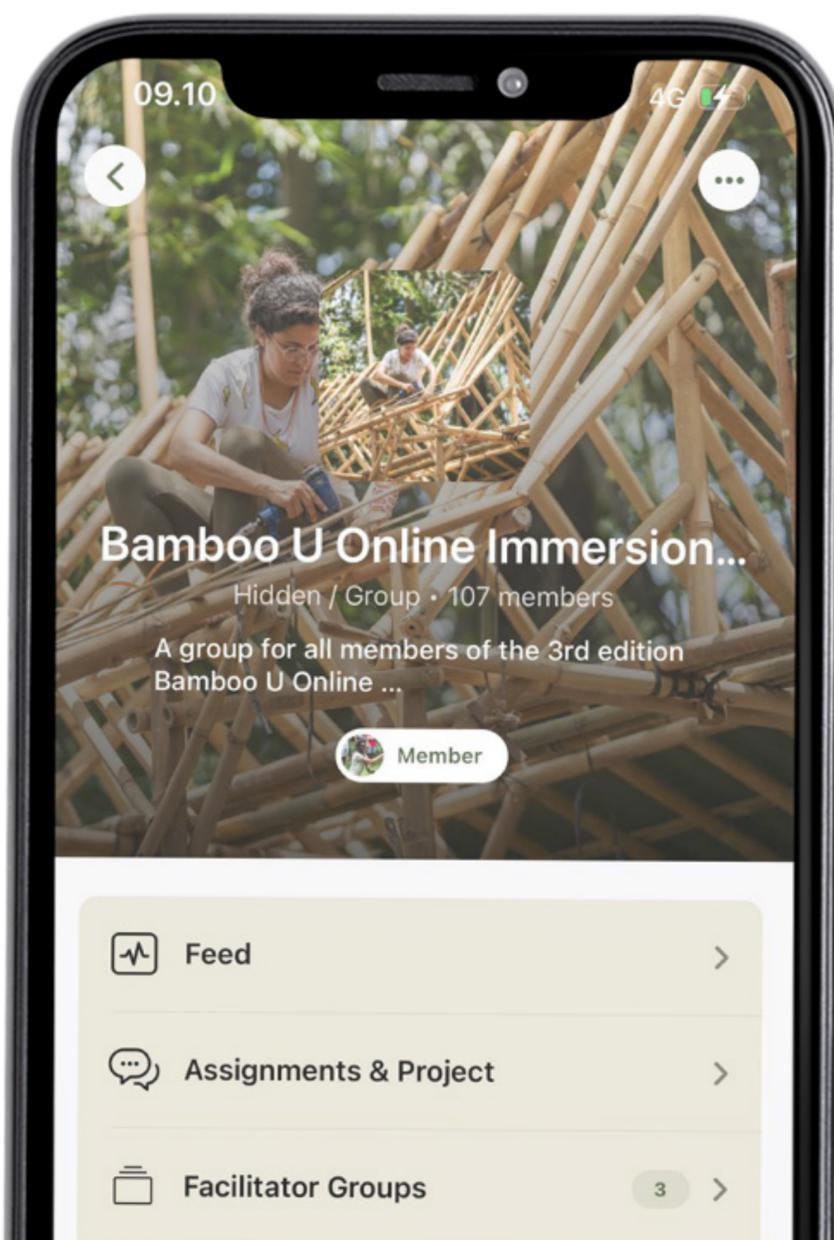
The aim of the Final Assignment is to design your own bamboo project, be it a piece of furniture, a house or any other form of construction. You will be submitting a beautiful bamboo model (or photos of the model in any case). In the weeks leading up to the Final Assignment deadline, you will have the chance to submit different elements which make up the Final Assignment such as the “Brief”, “Conceptual Models”, “Structural Model” etc... We will explain each of these assignments throughout the course!



Community and Learning

The most important part of the Bamboo U Community is the possibility to connect with the different people in the Bamboo U Online Course. Each edition of the course will have its own dedicated Course Group, named after the edition number. We will use the Course Group as a way to schedule the Live Sessions, to announce important information related to the course or anything else we might find interesting to you.

Finally, what makes Bamboo U is YOU! Over the course of the last 5 years, we have created an amazing community of bamboo enthusiasts. We have turned this network of designers, researchers, and entrepreneurs, all interested in building a more sustainable world, into the Bamboo U Community. You can meet all these lovely individuals through your Bamboo U Online Platform. Most likely, you will be able to find people in your area of the world!



Live Sessions, Guest Speakers & Recordings

Throughout the course, once a week, you will be invited to attend Live Sessions with bamboo experts from around the world. There will be a wide range of people, each with their own field of expertise in the world of bamboo. Whilst one might be an expert in bamboo horticulture, another might be more experienced in dealing with bamboo forestry and harvesting. In any case, the Guest Speakers we invite in the Bamboo U Online Course will add an extra layer of knowledge to the various topics we cover during the course.

Whilst we would love for you to join every single session, we understand that it is difficult to attend all of them. On the next pages, you get to meet the different Guest Speakers we have for your course so that you can start planning which speaker you get to meet when! We do record every session for you to watch in your own time.

For more information:
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If you are ready to book
The Bamboo U Online Course
you can do so here:

www.bamboou.com/onlinecourse

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