

Services – training courses

As part of our service of providing an EPD or LCA for you, we always include a training course, either in person, or online. We can also provide bespoke courses on sustainability, LCA, EPD, carbon footprinting, materials flow analysis, resources and consumption, circular economy, timber technology.

The CEO of JCH Industrial Ecology Ltd (Callum Hill) has been involved in the provision of teaching material, both online and in person for nearly three decades.

Most recently, Callum has provided a series of lightboard lectures on timber technology and on sustainability, which can be viewed on the Aalto University Wood Science YouTube Channel <https://www.youtube.com/@aalto-wood/videos>. Try to ignore the 'hairstyles'.

He has also been guest lecturer at Aalto University, Tallinn University of Technology, Centre for Alternative Technology.

Dr Hill has written teaching materials for Aalto University for the online courses on:

- Forests, wood, and carbon BSc
- Wood material science MSc
- Wood products and processes MSc

He managed the development and launch of the distance learning MSc course in Forest Industries Technology at Bangor University – since discontinued when he moved from Bangor University to Edinburgh Napier University.

He provided a training course on timber technology for Akzo Nobel.

Other teaching experience:

BSc modules

- Introduction to natural products and materials
- Mechanical and chemical properties of wood [module organiser]
- Wood processing theory [module organiser]
- Wood processing practical [module organiser]
- Renewable energy [module organiser]
- Renewable materials [module organiser]
- Timber in the built environment [module organiser]
- Advanced biocomposite materials [module organiser]

MSc modules (DL = distance learning)

- Forest products and their utilisation [module organiser]
- Physical and chemical properties of wood [module organiser]
- Pulp and paper and wood-based composites [module organiser]
- Forest products and their utilisation [module organiser]
- Wood anatomy and ultrastructure [module organiser]
- Timber engineering [module organiser]