German Federal Association for Sustainability

GERMAN FEDERAL ASSOCIATION FOR SUSTAINABLE DEVELOPMENT

BIO OCEAN SOLUTIONS HUB ECOREL UPM

FUNDACIÓN AGUSTÍN DE BETANCOURT

ESCUELA TÉCNICA SUPERIOR DE INGENIEROS DE CAMINOS, CANALES Y PUERTOS DE LA UNIVERSIDAD POLITÉCNICA DE MADRID

COURSE: **ADVANCED CIRCULAR AND ECO-DESIGN EXPERT COURSE.**
KMC2

DIPLOMA 2 – CIRCULAR DESIGN AND ECO-DESIGN

Europäische Bewegung Deutschland

TEACHERS: Rui Alberto Baptista da Luz, Thea Graef and Pedro Fernández Carrasco

OVERALL OBJECTIVE

Teach general knowledge about eco-design together with examples of how to incorporate eco-design practices in various business scenarios. Provide a clear step by step guide of how to design or redesign a product with circularity and environmental responsibility in mind.

LEARNING UNITS

1. Introduction to eco-design (Lesson 1)
2. Defining a product as a functional unit (Lesson 2)
3. Creating an overview of environmental impacts together with environmental profile and find root causes (Lesson 3)
4. Eco design for materials (Lesson 4)
5. Eco design for manufacture (Lesson 5)
6. Eco design for transport (Lesson 6)
7. Eco design for use phase (Lesson 7)
8. Eco design for disposal (Lesson 8)

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Evaluated Activities.
Evaluation by competencies based on achievement indicators.

- Graded quiz sessions
- Lecture-topic presentation
- Final project Presentation

Evaluated competencies:

- Analytical capacity
- Research skills
- Critical analysis
- Effective communication and participation
- Creative thinking
- Solution oriented and problem identification
- Practical application of knowledge

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Contacts

Rui Alberto Baptista da Luz
Mobile: +4917640444530
E-mail: rui.luz@bvng.org
Linkedin: Rui Luz | LinkedIn

German Federal association for Sustainability - German Federal Association for Sustainability - German Federal Association for Sustainability (bvng.org)
ANAKO - Die Nachhaltigkeits-Weiterbildung für die Wirtschaft - ANAKO

Pedro Fernández Carrasco
+34620115854
pedro.fernandez@upm.es
Linkedin: Pedro Fernández Carrasco
Bio Ocean Solutions Hub Ecorel UPM
www.upm.es

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