



Course technical sheet

Sustainable Design (Green Design) – Exam

Fee

99,00 €

Final exam only

Course code

GREEN_DES_LA

Test duration

60 min

Passing score

70%

Issued

27/05/2026

Executive summary

The course "Sustainable Design (Green Design) – Exam" is aimed at professionals and designers interested in deepening their knowledge of sustainability applied to product and service life cycles. The training focuses on sustainable and circular design principles, incorporating life cycle assessment (LCA) to rigorously evaluate environmental impacts. Topics include eco-design and design for environment (DfE) methodologies, emphasizing the selection of recycled, recyclable, and low-impact materials, as well as designing for durability, repairability, and ease of disassembly. The course covers energy efficiency, CO2 emissions reduction, and sustainable packaging. Relevant international standards such as ISO 14001, ISO 14040/44 for LCA, and ISO 14006 for eco-design are examined, alongside introductions to carbon footprint and Environmental Product Declarations (EPD). The course also addresses sustainability communication, analyzing green claims and greenwashing risks, and integrates sustainability criteria into product development processes. The exam assesses applied skills through advanced technical scenarios simulating real-world cases across multiple sectors, with challenging questions designed to test knowledge and expertise.

Certification process

- Registration or login to the Academy platform.
- Completion of the final course examination only. Any training or preparation may be completed externally or through other channels.
- The test questions refer to the objectives, skills and topics described in this technical sheet.
- Assessment of the result, possible validation and certificate issuance according to the rules applicable to the course.

Important note

On Academy, candidates take only the final course examination. Any training or preparation activity may be delivered externally or through other channels. The test questions refer to the topics described in this technical sheet and in the course syllabus summary.

Syllabus summary

Sustainable design principles and circular design + life cycle assessment (LCA) and environmental impact evaluation + eco-design and design for environment (DfE) + material selection (recycled, recyclable, low-impact) + design for durability, repairability and disassembly + energy efficiency and emissions reduction (CO2) + sustainable packaging and waste reduction + criteria and requirements for sustainable products and services + standards and references (ISO 14001, ISO 14040/44 LCA, ISO 14006 eco-design) + carbon footprint and EPD concepts (overview) + sustainability communication (green

Certification Bodies Management systems

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claims, greenwashing risk) + integrating sustainability into product development processes

Training objectives

- Deepen sustainable and circular design principles
- Apply life cycle assessment to evaluate environmental impacts
- Develop skills in eco-design and design for environment
- Select sustainable materials and design for durability and repairability
- Integrate sustainability criteria into product development processes

Skills acquired

- Coherent and verifiable LCA evaluation
- Designing to reduce CO2 emissions and waste
- Knowledge of relevant ISO standards (14001, 14040/44, 14006)
- Managing green claims and preventing greenwashing
- Ability to develop practical solutions in complex eco-design scenarios

Target audience

- Product designers
- Sustainability development managers
- Quality and environmental technicians
- Packaging and supply chain professionals

Prerequisites

- Basic knowledge of design and product development
- Fundamental understanding of environment and sustainability

Program

- Sustainable and circular design principles
- Life Cycle Assessment (LCA) and impact evaluation
- Eco-design and design for environment (DfE)
- Sustainable material selection criteria
- Design for durability, repairability, and disassembly
- Relevant ISO standards
- Sustainable communication and green claims management
- Real cases and technical scenarios for the exam

Teaching methodology

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- Theoretical lessons and case studies
- Analysis of advanced technical scenarios
- Guided discussions and in-depth insights

Evaluation method

- Written exam lasting 60 minutes
- Passing threshold: 70%
- Technical questions and practical cases

Duration

- 60 minutes (exam)

Certification

- Certificate available upon payment of 99.00 € fee

Expected outcomes

- Ability to integrate sustainability in design processes
- Competence in LCA application and eco-design tools
- Preparedness on sustainability standards and communication