Sustainable Packaging Technologies Training Course

Professional Development Training Course Outline

Category	General Training	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The packaging industry is undergoing a transformative shift, driven by increasing environmental awareness, regulatory pressures, and consumer demand for eco-friendly solutions. Sustainable packaging technologies are at the forefront of this revolution, enabling businesses to reduce carbon footprints, minimize waste, and enhance brand reputation. Sustainable Packaging Technologies Training Course equips professionals with cutting-edge knowledge, practical skills, and industry insights to design, implement, and manage sustainable packaging strategies effectively. Participants will gain expertise in bio-based materials, recyclable packaging, innovative design, and life-cycle assessment, positioning themselves as leaders in the sustainability landscape.

With rapid advancements in material science, circular economy practices, and digital innovations, companies need professionals who understand both the technical and strategic aspects of sustainable packaging. This course offers hands-on learning, case studies, and interactive modules that combine theory with real-world applications. Participants will leave with the confidence to implement sustainable packaging solutions, reduce environmental impact, optimize costs, and drive business growth while adhering to global sustainability standards.

Programme Curriculum

Sustainable Packaging Technologies Training Course

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Course Duration

5 days

Course Objectives

1. Understand the principles of sustainable packaging and eco-design.
2. Explore biodegradable and compostable materials for packaging.
3. Master recyclability assessment and circular economy principles.
4. Analyze life cycle assessment (LCA) of packaging solutions.
5. Learn material innovation trends in plastics, paper, and alternative fibers.
6. Develop zero-waste packaging strategies.
7. Implement carbon footprint reduction in packaging processes.
8. Gain expertise in smart and intelligent packaging technologies.
9. Evaluate regulatory compliance and global sustainability standards.
10. Learn sustainable packaging design optimization for cost and efficiency.
11. Understand consumer behavior trends in eco-friendly packaging.
12. Explore packaging supply chain innovations and sustainable logistics.
13. Apply case-based problem-solving for real-world sustainable packaging challenges.

Target Audience

1. Packaging engineers and designers
2. Sustainability managers
3. Supply chain and operations professionals
4. Product development managers
5. R&D scientists in packaging materials
6. Regulatory compliance specialists
7. Business strategists focusing on eco-innovation
8. Entrepreneurs and startups in sustainable packaging

Course Modules

Module 1: Introduction to Sustainable Packaging

- Overview of sustainability in packaging
- Principles of eco-design and circular economy
- Global trends and market demands
- Challenges in traditional packaging systems
- Case Study: Major FMCG brand’s transition to sustainable packaging

Module 2: Materials for Sustainable Packaging

- Bio-based polymers and compostable plastics
- Paper, cardboard, and fiber alternatives
- Recycled materials and upcycling practices
- Material selection criteria for sustainability and cost
- Case Study: Innovative packaging material launch by a beverage company

Module 3: Life Cycle Assessment (LCA) & Carbon Footprint

- Introduction to LCA methodology
- Measuring carbon and environmental impact
- Tools for sustainability analysis
- Decision-making based on LCA results
- Case Study: LCA analysis of packaging redesign for a global snack brand

Module 4: Sustainable Packaging Design

- Principles of eco-friendly design
- Minimizing material usage without compromising quality
- Integration of smart and intelligent packaging
- Cost optimization strategies
- Case Study: Redesign of cosmetic packaging to reduce plastic

Module 5: Recycling, Reuse, and Circular Economy

- Concepts of recycling, upcycling, and closed-loop systems
- Packaging design for ease of recycling
- Adoption of take-back and reuse systems
- Regulatory compliance in circular economy practices
- Case Study: E-commerce giant’s reusable packaging program

Module 6: Regulatory Standards & Certifications

- Global regulations for sustainable packaging
- Understanding ISO, FSC, and eco-label certifications
- Compliance strategies for international markets
- Reporting and documentation for regulatory bodies
- Case Study: Compliance roadmap for multinational packaging company

Module 7: Supply Chain & Logistics Innovations

- Green supply chain management
- Optimizing transportation for carbon efficiency
- Sourcing sustainable raw materials
- Vendor collaboration for eco-friendly packaging
- Case Study: Fast-moving consumer goods supply chain transformation

Module 8: Emerging Technologies & Future Trends

- Smart packaging and IoT integration
- Nanomaterials and advanced barrier technologies

- Digital printing and personalization for sustainability
- Predicting future consumer and regulatory trends
- Case Study: Tech-enabled packaging solutions in pharmaceuticals

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com