Sustainable Fashion and Textile Production Training Course

Professional Development Training Course Outline

Category	Environmental Management and Conservation	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The global fashion and textile industry is at a critical juncture, facing unprecedented pressure to address its environmental and social impact. As a major contributor to pollution, resource depletion, and social injustice, the industry must undergo a fundamental transformation towards a more sustainable model. Sustainable Fashion and Textile Production Training Course provides a comprehensive and practical roadmap for professionals seeking to navigate this paradigm shift. By focusing on **circular economy principles**, **ethical production**, and **innovative materials**, participants will gain the knowledge and skills necessary to drive meaningful change within their organizations and contribute to a more resilient and responsible industry.

This program delves into the core challenges of the current fashion ecosystem, from **fast fashion's** waste crisis to the complexities of global supply chains. We will explore cutting-edge solutions, including **bio-based textiles**, **upcycling**, and **traceability technologies**, empowering you to implement sustainable strategies throughout the entire product lifecycle. Through a blend of theoretical frameworks and real-world case studies, this course is designed to equip you with the expertise to lead the sustainable fashion revolution and build a future where creativity and commerce thrive in harmony with the planet.

Programme Curriculum

Sustainable Fashion and Textile Production Training Course

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Course Duration

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Course Objectives

1. Master **circular fashion** business models and design strategies.
2. Assess the environmental and social impacts of **textile production**.
3. Identify and select **eco-friendly materials** and fibers.
4. Implement **ethical sourcing** and fair labor practices in the supply chain.
5. Develop effective **waste reduction** and **upcycling** programs.
6. Understand and apply **Life Cycle Assessment (LCA)** for fashion products.
7. Integrate **blockchain** and **traceability technologies** for supply chain transparency.
8. Learn **sustainable dyeing** and finishing techniques.
9. Create **eco-conscious** marketing and branding strategies.
10. Comply with emerging **sustainability regulations** and standards.
11. Explore **bio-based innovation** and new textile technologies.
12. Cultivate a **slow fashion** mindset and long-term value creation.
13. Lead **change management** towards a more sustainable organizational culture.

Organizational Benefits

- Demonstrating a commitment to sustainability attracts **eco-conscious consumers** and builds a strong, ethical brand image.
- Implementing waste reduction, energy efficiency, and material innovation leads to significant long-term savings.
- Staying ahead of industry trends and regulations positions the organization as a leader in **sustainable innovation**.
- Greater transparency and ethical sourcing reduce risks associated with labor violations and environmental non-compliance.
- Employees are increasingly motivated to work for companies with strong **ESG (Environmental, Social, and Governance)** principles.

Target Audience

- Fashion Designers & Merchandisers
- Textile Manufacturers & Production Managers
- Sustainability Officers & CSR Professionals

- Fashion and Textile Students
- Retail Buyers & Brand Managers
- Entrepreneurs in Fashion Start-ups
- Supply Chain & Sourcing Specialists
- Marketing & Communications Professionals in the fashion industry

Course Outline

Module 1: Foundations of Sustainable Fashion

- The socio-environmental impact of the current fashion model.
- The principles of the circular economy vs. the linear model.
- Understanding the fashion industry's carbon footprint and water usage.
- Introduction to global sustainability frameworks
- **Case Study:** Patagonia's Worn Wear program and its impact on consumer behavior.

Module 2: Sustainable Materials and Textile Innovation

- Evaluating natural, recycled, and man-made fibers.
- Exploring organic cotton, hemp, Tencel?äó, and other low-impact materials.
- The rise of bio-based innovations: mushroom leather and pineapple fibers.
- Certifications and standards: GOTS, OEKO-TEX, Bluesign.
- **Case Study:** Allbirds' use of sustainable wool and Tencel to create eco-friendly footwear.

Module 3: Ethical Supply Chain Management

- Mapping and tracing complex global supply chains.
- Ensuring fair labor conditions, living wages, and worker safety.
- Leveraging **blockchain technology** for supply chain transparency.
- Addressing modern slavery and ethical sourcing challenges.
- **Case Study:** Nudie Jeans' transparency report, detailing every stage of production from raw material to final product.

Module 4: Sustainable Production and Manufacturing

- Waterless dyeing techniques and natural colorants.
- Minimizing chemical use and pollution in textile processing.
- Energy efficiency and renewable energy in factories.
- Zero-waste pattern cutting and production planning.
- **Case Study:** Jeanologia's laser and ozone technology for sustainable denim finishing.

Module 5: Designing for Longevity and Circularity

- Adopting a **slow fashion** design philosophy.
- Designing for durability, repair, and end-of-life.
- **Upcycling** and **remanufacturing** as creative solutions.
- Developing rental and resale business models.
- **Case Study:** The rental service from Rent the Runway, offering a circular model for luxury fashion.

Module 6: Waste Management and End-of-Life Solutions

- Textile waste auditing and management strategies.

- Mechanical and chemical recycling of textiles.
- Developing take-back programs for used garments.
- Innovation in textile-to-textile recycling.
- **Case Study:** The North Face's Renewed program, transforming returned apparel into refurbished products.

Module 7: Sustainable Marketing and Consumer Engagement

- Communicating sustainability efforts with transparency and authenticity.
- Avoiding **greenwashing** and misleading claims.
- Educating consumers on mindful purchasing and garment care.
- Building a community around sustainable values.
- **Case Study:** Tentree's commitment to planting ten trees for every item sold and transparently sharing its impact.

Module 8: The Future of Sustainable Fashion

- The role of AI and 3D prototyping in reducing waste.
- Future trends in bio-fabrication and regenerative agriculture.
- Navigating policy and regulatory shifts.
- Building a personal action plan for sustainable leadership.
- **Case Study:** Stella McCartney's partnership with Bolt Threads to develop Mylo, a vegan mycelium leather.

Training Methodology

This course employs a **blended learning** approach to ensure maximum engagement and practical application. The methodology includes:

- Interactive Lectures: Expert-led sessions with Q&A.
- Case Study Analysis.
- Hands-on Workshops.
- Group Projects.
- Guest Speaker Sessions.
- Online Resources: Access to a curated library of articles, videos, and reports

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
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

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