

PRODUCE CAPSULE, PATTERN DESIGN and ZERO-WASTE TAILORING

Guide

Purpose and Outcomes

Section 4 of the CREATE handbook is named PRODUCE CAPSULE, PATTERN DESIGN and ZERO-WASTE TAILORING. This toolkit accompanies the theoretical knowledge about Sustainable Fashion Production gained in the R1 Handbook. The purpose of the R2 toolkit is to teach educators how to apply and transfer this knowledge to other students.

Targets

This toolkit is to be used by facilitators when delivering the CREATE programme to the programme participants.

Learning Objectives

- Upcycling technique and its environmental and social impact
- Zero waste Pattern cutting techniques and philosophy
- Develop Creative Thinking
- Learn how to co-create a Capsule Collection
- Develop Team Spirit

Recommendations for Use

- The presentation is following a training program that will be delivered by the educator following a weekly basis. This training program is inspired by how a fashion atelier process would develop a capsule collection. Every week is focused on a different learning outcome. The educators are advised to treat the class as a work simulation environment where they are collaborating to achieve progress and assist the students in producing their capsule collection .
- The presentation includes a workshop on zero waste pattern cutting. The aim & objectives, time, materials, methodology and techniques, preparation, instructions,

debriefing and expected outcomes are outlined in the toolkit. The educator is advised to deliver this workshop on the 11th week of the training program.

- The presentation includes a workshop on upcycling. The aim & objectives, time, materials, methodology and techniques, preparation, instructions, debriefing and expected outcomes are outlined in the toolkit. The educator is advised to deliver this workshop on the 14th week of the training program.
- The presentation includes reflective exercises for students that serve to give practical examples and knowledge of their corresponding topics. These exercises can be handed out to students directly.
 1. Reflection Exercise: Questions
 2. Reflection Exercise: Manufacturing Checklist

Learning Outcomes

- Upcycle new clothing from used, unwanted or excess materials.
- Look for pre-consumer waste developed in a local level and manufacturers who recycle their waste.
- Research New textiles and technologies in Sustainable Fashion.
- When selecting materials, consider how the product will be used, dyed and washed. Match durability with garment type.
- Focus on the issues that have the highest environmental impact in your supply chain. Learn how to report on energy usage and carbon footprint.
- Be precise about the sustainability measures you have implemented.
- Educate your potential customers about your materials and manufacturing processes.
- Be able to pivot and make collaborations.

Further Reading

- Pattern cutting online workshop example <https://inseamstudios.com>
- A technique of pattern cutting
<https://researchonline.rca.ac.uk/3060/1/FREE-CUTTING-Julian-Roberts.pdf>
- Clo3d software for digital 3D garments <https://www.clo3d.com/en/clo>
- Software for pattern cutting placement and creation <https://optitex.com>
- What is upcycling?
<https://fashionandtextiles.springeropen.com/articles/10.1186/s40691-021-00262-9>
- SOFFA selections on materials and suppliers
<https://drive.google.com/file/d/1oMjoVrxSDu23t-lxgKuHM66er8lH58uH/view>

- Pattern Cutting Studio
<https://patterncuttingstudio.com/2017/07/11/apparel-tech-packs-spec-sheets/>
- Free cutting n.d, Roberts, J.
<https://researchonline.rca.ac.uk/3060/1/FREE-CUTTING-Julian-Roberts.pdf>
- Fashion Capital. 2022. Layplan - Fashion Capital
<https://www.fashioncapital.co.uk/tools/layplan/%3E>
- Designer Eileen Fisher <https://www.eileenfisher.com/?country=GR¤cy=EUR>
- Patagonia <https://www.patagonia.com/our-footprint/>
- Vivify brand <https://www.vivifybrand.com/>