
Postgraduate Certificate in Inclusive Fashion Design

Adaptive Clothing Technology and Innovation

Adaptive Clothing Technology and Innovation is a key course in the Postgraduate Certificate in Inclusive Fashion Design. This course focuses on the design, technology, and innovation behind adaptive clothing, which is designed to meet the needs of people with disabilities, chronic illnesses, and the elderly. In this explanation, we will cover key terms and vocabulary related to adaptive clothing technology and innovation.

1. **Adaptive Clothing:** Adaptive clothing is designed to meet the needs of people with disabilities, chronic illnesses, and the elderly. It is designed to be easy to put on and take off, and may include features such as magnetic closures, adjustable waistbands, and modified sleeves.
2. **Inclusive Fashion Design:** Inclusive fashion design is a design approach that considers the needs and preferences of people of all abilities, sizes, and ages. It aims to create fashion that is accessible, comfortable, and stylish for everyone.
3. **Universal Design:** Universal design is a design approach that aims to create products and environments that are accessible to all users, regardless of their abilities or disabilities. It includes principles such as equitable use, flexibility in use, simple and intuitive use, perceptible information, tolerance for error, low physical effort, and size and space for approach and use.
4. **Assistive Technology:** Assistive technology is any device, software, or equipment that helps people with disabilities perform tasks that might otherwise be difficult or impossible. In the context of adaptive clothing, assistive technology might include magnetic closures, adjustable waistbands, and modified sleeves.
5. **Magnetic Closures:** Magnetic closures are a type of closure that uses magnets to hold two pieces of fabric together. They are often used in adaptive clothing because they are easy to use and can be opened and closed with one hand.
6. **Adjustable Waistbands:** Adjustable waistbands are waistbands that can be adjusted to fit a range of waist sizes. They are often used in adaptive clothing because they allow for a more customized fit.
7. **Modified Sleeves:** Modified sleeves are sleeves that have been altered to make them easier to put on and take off. They might be designed to be wider, longer, or have a modified cuff.
8. **Sensory-Friendly Fabrics:** Sensory-friendly fabrics are fabrics that are designed to be comfortable for people with sensory processing disorders. They might be soft, smooth, or have a loose weave.
9. **One-Handed Dressing:** One-handed dressing is a design approach that focuses on creating clothing that can be put on and taken off using only one hand. This is often useful for people with mobility impairments or upper limb differences.
10. **Easy-Access Openings:** Easy-access openings are openings in clothing that are designed to be easy to open and close. They might be located in the back, side, or front of the clothing, and might be held closed with magnets, velcro, or buttons.
11. **Seated Positioning:** Seated positioning is a design approach that focuses on creating clothing that is comfortable and functional for people who spend most of their time in a seated position. This might include features such as modified sleeves, easy-access openings, and adjustable waistbands.
12. **Pressure Ulcers:** Pressure ulcers are injuries that occur when there is prolonged pressure on the skin.

They are a common issue for people who spend most of their time in a seated position, and can be prevented by using adaptive clothing that distributes pressure evenly.

13. Compression Garments: Compression garments are garments that apply pressure to a specific area of the body. They are often used to improve circulation, reduce swelling, and prevent pressure ulcers.

14. Mastectomy Garments: Mastectomy garments are garments that are designed to be worn after a mastectomy or lumpectomy. They might include features such as pockets for prostheses, adjustable straps, and soft, comfortable fabrics.

15. Post-Surgical Garments: Post-surgical garments are garments that are designed to be worn after surgery. They might include features such as compression, easy-access openings, and adjustable straps.

16. Sensory Processing Disorder: Sensory processing disorder is a condition in which the brain has difficulty processing sensory information from the environment. People with sensory processing disorder might be oversensitive or under sensitive to certain stimuli,