

Subject Description Form

Subject Code	SFT320FS
Subject Title	Sustainability in Fashion Life Cycle
Credit Value	3
Level	3
Pre-requisite/ Co-requisite/ Exclusion	Nil
Objectives	The subject aims to provide students with an insightful and holistic understanding of the sustainability in the fashion and textile industry. It also encourages students to explore creative approaches for a change in the lifecycle of textile products, to consider practices in organic, sustainable textiles & clothing, and eco-certificates. The students should be able to formulate a sustainable strategy to safeguard and enhance the sustainability report of a fashion company.
Intended Learning Outcomes	On successfully completing this subject, students will be able to: <ul style="list-style-type: none"> (a) have a full vision on sustainability issues in fashion and textile industry; (b) evaluate the present and future sustainability of fashion and textiles by lifecycle assessment; (c) know global sustainability standards and certificates for typical fashion and textiles products; (d) create sustainable solutions at every stage: from raw materials, product manufacturing, and usage to disposal / recycle. (e) organize sustainable resources and report green outcomes for a fashion company.
Subject Synopsis/ Indicative Syllabus	<p>(I) Lifecycle Assessment of Fashion Products</p> <p>Sustainability in the fashion industry Environmental impact of textile materials Sustainability of textile manufacturing Responsible usage & recycling</p> <p>(II) Smart Greenness in Fashion Company</p> <p>Green standards & legislations in fashion Sustainability control & report of company Sustainable resources & trends for fashion company</p>

<p>Teaching/Learning Methodology</p>	<p>Fundamental concepts and methods for analyzing and resolving problems will be introduced through lectures. Fashion case studies for group discussions within tutorial classes will allow students to practice approaches of assessment and evaluation, and creation of the best practice.</p> <p>Outstanding experts will be invited from representative green companies and organizations to deliver seminars to share their perspectives on fashion sustainability. Students are encouraged to join factory visit trips and site visits of local communities with expertise in fashion sustainability.</p> <p>Assignments will be given to students to stimulate them to self-learn, through paying attention to the wide areas and current advances in the fashion industry.</p>																																																			
<p>Assessment Methods in Alignment with Intended Learning Outcomes</p>	<table border="1" data-bbox="553 730 1365 1167"> <thead> <tr> <th rowspan="2">Specific assessment methods/tasks</th> <th rowspan="2">% weighting</th> <th colspan="5">Intended subject learning outcomes to be assessed (Please tick as appropriate)</th> </tr> <tr> <th>a</th> <th>b</th> <th>c</th> <th>d</th> <th>e</th> </tr> </thead> <tbody> <tr> <td>Continuous Assessment</td> <td>50%</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td><i>1. Test</i></td> <td><i>25%</i></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td><i>2. Group project / assignment</i></td> <td><i>25%</i></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Examination</td> <td>50%</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Total</td> <td>100%</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>The students' understanding and development in study will be assessed by their assignments and tutorial activities. Their overall knowledge and ability gained from the subject will be assessed in the final exam.</p>					Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)					a	b	c	d	e	Continuous Assessment	50%	✓	✓	✓	✓	✓	<i>1. Test</i>	<i>25%</i>	✓	✓	✓	✓	✓	<i>2. Group project / assignment</i>	<i>25%</i>	✓	✓	✓	✓	✓	Examination	50%	✓	✓	✓	✓	✓	Total	100%					
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Examination	50%	✓	✓	✓	✓	✓																																														
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<p>Student Study Effort Expected</p>	<p>Class contact:</p>																																																			
	<ul style="list-style-type: none"> Lecture 		<p>26 Hrs.</p>																																																	
	<ul style="list-style-type: none"> Tutorial 		<p>12 Hrs.</p>																																																	
	<p>Other student study effort:</p>																																																			
	<ul style="list-style-type: none"> Assignments 		<p>67 Hrs.</p>																																																	
	<p>Total student study effort</p>		<p>105 Hrs.</p>																																																	

**Reading List and
References**

Recommended Textbooks

Miraftab, M.; Horrocks A. R. (2007). *Ecotextiles: The way forward for sustainable development in textiles*. Woodhead Publishing Limited.

Fletcher, K. (2008). *Sustainable Fashion & Textiles: Design Journeys*. Earthscan.

Blackburn, R.S. (2009). *Sustainable textiles: Life cycle and environmental impact*. Woodhead Publishing limited.

References

Sabine S. (2008). *Fashionable technology: the intersection of design, fashion, science, and technology*. Springer.

Allwood, J.M., Laursen, S.E., de Rodríguez, C.M.; Bocken, N.M.P. (2006). *Well dressed? The present and future sustainability of clothing and textiles in the United Kingdom*. University of Cambridge Institute for Manufacturing.

Anandjiwala, R., Hunter, L., Kozlowski, R., Zaikov, G. (2007). *Textiles for Sustainable Development*. Nova Science Publishers, Inc.

Draper, S., Murray, V., Weissbrod, I. (2007). *Fashioning Sustainability 2007 Report*. Forum for the Future, UK.

Websites

www.ecologicaltextiles.nl/

Ecological Textiles develops solutions in every step: from raw material, fibers, yarns, fabrics, dyeing and finishing till complete product.

<http://organicclothing.blogs.com/>

All about organic, natural & sustainable clothing and eco-fashion.

<http://www.swinburne.edu.au/ncs>

National centre for sustainability.

<http://www.greenpeace.org/international/en/campaigns/toxics/water/detox/Toxic-Threads/>

Toxic Threads is a product chemical testing report of conducted by Greenpeace International