

MUO-E1071 Sustainable fashion and textile design -course period 1/2023

Associate professor Kirsi Niinimäki and doctoral researcher Aino Korhonen

Weeks	Week day	Start time	End time	Room
36-41	Tue	09:15	17:00	Otakaari 3 / Auditorio [R003/F239a]
36-42	Thu	09:15	17:00	Virtuaali / VT1 [R999/VT1]

ZOOM link: <https://aalto.zoom.us/j/64324638644?pwd=MjJsSGNQbEIZOGZKNVAzZF12ejZZZz09>

Meeting ID: 643 2463 8644 **Passcode: 381559**

Course works deadline 19.10, if not otherwise informed

Sustainable fashion and textile design 9/12cr autumn 2023					
	Morning 9.15-12.00	Afternoon 13.15-16.30	Pre-reading (obligatory)	Additional reading	Tasks
5.9	Course starts How to study sustainability/Kirsi Niinimäki, Aino Korhonen	Official Aalto opening of the academic year	Niinimäki, K., Peters, G., Dahlbo, H., Perry, P., Rissanen, T. and Gwilt, A.	Niinimäki, K. (2013) Tenents of Sustainable Fashion. In Niinimäki, K. (Ed.)	Learning diary starts Essay info

			(2020) The Environmental Price of Fast Fashion. <i>Nature Reviews; Earth and Environment</i> 1, pp. 189–200.	<i>Sustainable Fashion: New Approaches</i> . Helsinki: Aalto ARTS Books, pp. 12-29. https://aaltodoc.aalto.fi/handle/123456789/13769	
7.9 online	<p>Marium Durrani: Exploring the roots of Sustainable Development, SDGs and the textile Industry (video)</p> <p>Elise Hodson: Global Fashion Business: a historical overview (video)</p>	<p>Group discussion on pre-reading</p> <p>Group work</p>	Du Pisani, Jacobus (2006) Sustainable Development – Historical Roots of the Concept. <i>Environmental Sciences</i> 3(2), pp. 83-96.	<p>UN SDGs https://sdgs.un.org/goals</p> <p>Moreira, N., Hodson, E. & Niinimäki, K. (2022) Social sustainability and the textile industry: New directions in sustainability research. <i>Latest trends in textile and fashion designing</i>, 4(5)-2022, pp. 827-231.</p>	<p>Group discussion on pre-reading</p> <p>Group work</p>
12.9	<p>Marja Rissanen: Textile materials (video)</p> <p>Kirsti Cura: Fibers, recycling, traceability</p>	Anubhuti Bathnagar LCA, Other indexes	Niinimäki, K. (2022) Environmental impact of fibres. In Salolainen (ed). <i>Intervowen: Exploring materials and structures</i> .		Anubhuti: Flinga exercise

			<p>Espoo: Aalto publication, pp. 36-39.</p> <p>Heikkilä, P. (2024) Textile Recycling Technologies. In Niinimäki, K. (Ed.) <i>Recycling and lifetime management in the textile and fashion sector</i>. CRC Press, Taylor and Francis (forthcoming), pp.157-175.</p>		
<p>14.9 HUOM! Space Puunjalostustekniikka, Vuorimiehentie 1, room 241L1</p>	<p>Chetna Prajapati/Loughborough University: Research with materials</p>	<p>Pirjo Kääriäinen: Future of textile materials</p> <p>Sofia Guridi: Sustainable Smart Textiles: Challenges and biomaterial opportunities</p> <p>+ visit to Aalto Bioproduct center in smaller groups. Group task</p>			<p>Group task on materials</p>
<p>19.9</p>	<p>Anna Härri, LUT: Just transition</p>	<p>Ellinoora Vesala / Sask (Finnish Trade Union Movement): Worker centered sustainability & Clean Clothes campaign 13:15 – 14:15</p> <p>Lasse Leipola / Finnwatch: Responsible business conduct - Just</p>	<p>Wang, X. and Lo, K., 2021. Just transition: A conceptual review. <i>Energy Research & Social Science</i>, 82, p.102291.</p> <p>https://cleanclothes.org/</p>	<p>Karaosman, H. and Marshall, D., 2023. Impact pathways: just transition in fashion operations and supply chain management. <i>International Journal of Operations &</i></p>	<p>Morning: lecture + group work task</p>

		transition in Bangladesh & The quality of certification and auditing schemes 14:30 – 15:30	https://finnwatch.org/images/pdf/Certification_eng.pdf https://finnwatch.org/images/pdf/Just Transition in the Garment Industry in Bangladesh .pdf	<i>Production Management</i> , 43(13), pp.226-237. Geyer, R., 2021. <i>The Business of Less: the role of companies and households on a planet in peril</i> . Routledge. Chapter 10: Labor, not materials, pp. 124 – 132. Anubhuti Bathnagar: S-LCA https://circulartextiles.aalto.fi/courses/c2t5-side-classes/	
21.9 online	Anniina Nurmi / Eetti: Sustainable fashion Johanna Salovaara / Marimekko: Sustainability in Marimekko	Mila Burcikova, Center for sustainable fashion, UAL: Sensorial design Group discussion on pre-reading	Niinimäki, K. & Koskinen, I. (2011) I love this Dress, it Makes Me Feel Beautiful: Emotional Knowledge in Sustainable Design. <i>Design Journal</i> , 14 (2), pp. 165-186.		This week: essay check-up meeting with students in small groups Sensorial design task starts
26.9	Kirsi Niinimäki: Textiles and fashion in a CE and new business understanding	Outi Korpilaakso / Lovia: Rescuing discarded resources Group task	Armstrong, C. (2013) Product-Service Systems. Design Thinking for Sustainable Fashion. In Niinimäki, K. (Ed.) <i>Sustainable Fashion: New</i>	Cai, Y.-J.. & Choin, T.-M. (2020) A United Nations' Sustainable Development Goals perspective for sustainable textile and apparel supply chain	Group task: sustainability reporting in companies e.g. <u>SUSTAINABILITY AND TRANSPARENCY</u> – Read

	Mari Martikainen/Mifuko: Mifuko – story of fair trade design company		<i>Approaches</i> . Helsinki: Aalto ARTS Books, pp.102-109. https://aaltodoc.aalto.fi/handle/123456789/13769	management. <i>Transportation Research</i> . Part E, 141.	more how we do it (frennhelsinki.com) Sustainability Reima Company Website Sustainability Lapuan Kankurit
28.9 online	Conny Bakker TUDelft: Design for a circular economy (video) Nina Teufel: adidas' strategy for circularity (video, 16min) adidas: Sustainability Strategy and the New Cotton Project (panopto.eu) Group discussion on circular design guidelines (based on prereading). Please summaries the main points designers need to take account while doing the design task.	13:15 - Working Towards Circularity in Textiles -webinar Register here Agenda 13:15-13:20 Introduction /Kirsi Niinimäki, Aalto University 13:20-13:40 Dolly Vellanki, Innovation Associate, Fashion For Good 13:40-14:00 Josse Kunst, Chief Commercial Officer, CuRe Technology 14:00-14:20 Paula Sarsama, Program Manager, Infinited Fiber Company 14:20-14:45 Q&A with all speakers Learn more about the Webinar Group discussion	Please go through these guidelines before the session Circulator Guide v1.0.pdf (aalto.fi)	Niinimäki, K.(Ed.) (2018) <i>Sustainable Fashion in a Circular Economy</i> . Aalto ARTSBooks, pp. 12-41. https://aaltodoc.aalto.fi/handle/123456789/36608	

3.10	Linda Turunen: Sustainability communications and ecolabels	Linda Turunen: Sustainability communications and ecolabels	Clancy, G., Fröling, M., & Peters, G. (2015). Ecolabels as drivers of clothing design. <i>Journal of Cleaner Production</i> , 99, 345-353. Turunen, L and Halme, M. (2021). Communicating actionable sustainability information to consumers: The Shades of Green instrument for fashion. <i>Journal of Cleaner Production</i> , 297.	Diekel, F., Mikosch, N., Bach, V., & Finkbeiner, M. (2021). Life cycle based comparison of textile ecolabels. <i>Sustainability</i> , 13(4), 1751.	
5.10 online	Leonardo Hidalgo, doctoral researcher: Making colour as a relational practice Pirita Lauri: Slow colours	Marium Durrani: Clothing repair	Lauri, P. (2020) Perspectives to a living design medium: First encounters with a fermented indigo vat. Ruukku 15. https://www.researchcatalogue.net/view/937320/937321 Marium will provide pre-reading		Afternoon: lecture + “workshop discussion” with Marium; task
10.10	Sofia Ilmonen; Modular design Essi Karell: Design tools	Webinar video https://finlandabroad.fi/web/deu/aktuelles/-/asset_publisher/h5w4iTUJhNne/content/webinar-designed-for-circularity-	Kozłowski, A. et al. (2018). The reDesign canvas: Fashion design as a tool for sustainability. <i>Journal of</i>	Ræbild, U. & Hasling, K.M. (2018). Sustainable Design Cards: A Learning Tool for Supporting Sustainable Design Strategies. In Niinimäki, K.(Ed.)	

		textile-innovations-from-finland-9-9-2021-14-00-16-00-cet/384951 (2 hours) Discussion on design tools	Cleaner Production, pp. 183 194-207.	Sustainable Fashion in a Circular Economy. Aalto ARTS Books, pp. 128-151. https://aaltodoc.aalto.fi/handle/123456789/36608 And cards can be found here https://sustainabledesigncards.dk/	
11.-12.10	Anna Lidström, The Swedish School of Textiles, University of Borås. Design strategies with used garments +Re-design Workshop	Workshop			Re-design Workshop with Anna Lidström: place Pattern workshop in the ground floor /Väre. Wednesday and Thursday. Replaces the sensorial task
12.10 online	Course tasks/critique/Sensorial design Mila Burkikova	Course tasks/critique/Sensorial design Mila Burkikova			Sensorial task presentations
19.10	Deadline for course tasks				Essay Sensorial task report /Fashion re-design report
Tasks	9 credits	Learning diary; reflecting weekly sessions, pre-readings, short essay. Deadline 19.10			
	12 credits	Previous (learning diary and short essay) + Sensorial design task/design task. Deadline 19.10			
	9 credits	Learning diary 50%, Essay 50%, participation for group tasks			

Course evaluation	12 credits	Learning diary 50%, Essay 50%, participation for group tasks. Sensorial task/Design task pass/fail		
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