Subject Description Form

Subject Code	**SFT409KD**
Subject Title	**Advanced Knitwear Design**
Credit Value	**3**
Level	**4**
Pre-requisite/ Co-requisite/ Exclusion	Pre-requisite: SFT315KD Knitwear Design, SFT316KD Knitted Structure Design and SFT317KD Knitwear Technology
Objectives	The subject provides students a platform to explore knitwear design possibilities offered by advanced technology. Students are able to design and develop knitwear collections individually, steered by their interests, preferences and specific market needs.
Intended Learning Outcomes	Upon completion of the subject, students will be able to: (a) Relate the knitwear product characteristics to those of the yarn and knitting parameters, as well as fabric structures. (b) Describe and produce knitted samples comprising the advanced knitting techniques applicable to the design and production of knitwear. (c) Demonstrate a proficient knowledge of the capability of the most sophisticated automatic flat knitting machine essential to the production of top end knitwear. (d) Integrate the advanced knitting technology and design a range of creative knitwear products which are aesthetically and technically acceptable for specific markets. (e) Produce and professionally present knitwear designs and products.
Subject Synopsis/ Indicative Syllabus	(I) Commercial Knitwear Design • Research and analysis on the latest knitwear trends, fashion brands' identity and merchandise, consumers' needs and preferences. • Designing and developing knitwear products for specific markets. • Presentation of design projects at various levels of knitwear creation from yarn to garment resulting in fashion collection that may include both knitted and woven elements. • Innovation and experimentation for various explorative design projects. (II) Advanced Knitting Techniques in Creative Knitwear Design • Application of advanced stiches using computerised knitting machine in creative knitwear design • Use of up-to-date knitting equipment in design mock up and production of design collection.

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<tr><td>Teaching/Learning Methodology</td><td>Learning is essentially student-centred through projects. Guidance will be provided in the form of studio, tutorials and workshops on core areas to stimulate understanding and exploration of advanced knitwear knowledge.

Design projects will be assigned to reinforce the studied subject materials. Through design project presentation and peer critique, inadequate areas can be identified and improved. Support is also sought from the knitwear industry in the provision of latest trend information, seminars and internship.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="5">Intended subject learning outcomes to be assessed (Please tick as appropriate)</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td>d</td><td>e</td></tr>
<tr><td>1. Assignments</td><td>40%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr>
<tr><td>2. Commerical design</td><td>60%</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>
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Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

Students learn from knitwear brand analysis and design a knitwear collection based on the brand study in the commercial design project. The assignments are designed to allow students to learn and apply the advanced machine-knitting techniques in professional knitwear design and presentation.

The materials submitted for all assessment must be the student’s own work. The submitted work may not be accepted for the purpose of assessment if its authenticity is questionable. However, students could utilise various media and technologies such as GenAI to assist with design research in the preliminary stage. They are required to declare the use of GenAI in their work if applicable. Submitting GenAI-generated materials as students’ own work or part of their work without declaration is an act of academic dishonesty. Students who are found committing academic dishonesty will face disciplinary actions.</td></tr>
<tr><td rowspan="3">Student Study Effort Expected</td><td>Class contact:</td><td></td></tr>
<tr><td>• Studio</td><td>15 Hrs.</td></tr>
<tr><td>• Workshop</td><td>24 Hrs.</td></tr>
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	Other student study effort:	
	• Assignments	69 Hrs.
	Total student study effort	108 Hrs.
Reading List and References	**<u>Books</u>** Donofrio-Ferrezza, & Hefferen, M. (2017). *Designing a knitwear collection: from inspiration to finished garments (Second edition.).* Fairchild Books, an imprint of Bloomsbury Publishing Inc. Hu, Wang, Z., & Liu, S. (2011). Development of auxetic fabrics using flat knitting technology. *Textile Research Journal*, *81*(14), 1493–1502. https://doi.org/10.1177/0040517511404594 Kim, & Burbank, R. (2006). *Machine knitting*. Pearson/Prentice Hall. Raz. (1993). *Flat knitting technology*. Universal Maschienfabrik. Tellier-Loumagne, F. (2005), *The Art of Knitting: Inspirational Stitches, Textures, and Surfaces,* Thames & Hudson **<u>Journals/ Magazines</u>** Knitting international Maglieria Italiana & Filati Trends Filati Collezioni Top Fashion: Knitwear International **<u>Fashion Forecast</u>** Fashion Box Knit Point Peclers Promostyl Nelly Rodi **<u>Electronic Resource</u>** www.shimaseiki.co.jp www.stoll.de www.vogue.com www.wgsn.com	