Subject Description Form

Subject Code	**SFT325CD**
Subject Title	**Bra Construction**
Credit Value	**3**
Level	**3**
Pre-requisite/ Co-requisite/ Exclusion	Exclusion: SFT310FD Advanced Apparel Techniques & ITC3010I Bra Construction
Objectives	The subject provides an understanding of the concepts of bra pattern construction and sample development processes used in the intimate apparel industry, as well as hands-on experience of intimate apparel construction including pattern design and development, sewing practice, technical specification, and quality control. It also covers bra components, techniques and the problems associated in making various kinds of intimate apparel products.
Intended Learning Outcomes	Upon completion of the subject, students will be able to: (a) identify the relationship between the complicated 3D breast shape and bra pattern generation method; (b) identify bra components with correct terminologies; (c) critically analyse construction methods and sewing techniques which are commonly used in the intimate apparel industry; (d) create basic bra patterns according to the body measurements; (e) construct the basic bra according to the technical specification; (f) demonstrate the necessary communication skills to present design concepts and ideas at a level acceptable to industry, as well as demonstrate punctuality and participation as the industry requires.
Subject Synopsis/ Indicative Syllabus	**(I) Components of Bra** Introduction to bra making terminology, bra structure and components being used for bra construction. Pattern engineering for functional and aesthetics requirements. **(II) Bra Pattern Construction and Technicalities of Pattern Development** Relationship between style, body shape, fabrics and bra patterns.

Correct fabric and component selection in bra construction. Wire size and specification.

Various methods of pattern generation and style manipulation. Determination of contour fit and fullness to achieve master pattern.

(III) Pattern engineering to styles achievement

The art of translating new ideas into fitted bra pattern. Adaptation of block patterns to create individual designs and fit.

(IV) Sewing and making-up practice

Operating skills of various types of machinery and work aids in bra construction, such as twin-needle lockstitch machine, zigzag machine, covering stitch machine, bra wire support attachment, elastic tape attachment, etc.

Practice in making-up a basic bra using the appropriate sewing machinery and attachments.

Sewing faults and method of correction, techniques in achieving sewing quality for different types of materials.

Teaching/Learning Methodology

This subject will be conducted in both the design studio for patternmaking and in a real-life industrial environment for sample making. Students will practise the learned concepts and methods of bra construction and will complete a series of bra constructions from design stage to first sample.

Students will need to critically evaluate the construction methods and solve any technical problems encountered. The assessment will include basic sewing samples with elastic band (such as brief), a quiz, bra patternmaking, and bra sewing.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)					
		a	b	c	d	e	f
Continuous Assessment	**100%**	✓	✓	✓	✓	✓	✓
1. Quiz	*15%*	❖	✓				
2. Basic Bra Pattern	*30%*			✓	✓		
3. Basic Bra Sewing	*30%*			✓		✓	
4. Pattern test	*15%*			✓	✓		
5. Participation	*10%*						✓
Examination	**0%**						
Total	100%						

	Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes: For intended learning outcomes a & b, identifying bra components and various sewing construction methods will be assessed via a quiz. For intended learning outcomes c, d, and e, both patternmaking and sewing skills involving bra construction will be assessed via sewing samples and a sewn bra sample. For intended learning outcome f, demonstration of professionalism including communication skills and punctuality at the industry standard will be assessed via attendance and participation.	
Student Study Effort Expected	Class contact:	
	• Lecture	15 Hrs.
	• Studio	24 Hrs.
	Other student study effort:	
	• Projects	66 Hrs.
	Total student study effort	105 Hrs.
Reading List and References	**<u>Books</u>** Bones, J. (2000), *Lingerie Secrets: Sew a Perfect Fit for Everybody*.Krause Publications, Iola. Cloake, D. (2000), *Lingerie Design on the Stand: Designs for Underwear and Nightwear*.B.T. Batsford, London. Haggar, A. (2004), *Pattern Cutting for Lingerie, Beachwear and Leisurewear*.Blackwell, Oxford. Hawthorne, R. **(**1992), *Bras: A Private View*.Souvenir Press, London. Johnson, B. (2011), *The Bra-makers Manual*. Turtle Press, Ontario. Loehr, N. (2013), *Demystifying Bra Fitting and Construction.* Orange Lingerie, Middletown. Lynn, J. (2016), *Bare Essentials: Bras, 2nd Edition*,Createspace, Charleston. Morris, K. (2001), *Sewing Lingerie that Fits: Stylish Underwear, Sleepwear, and Loungewear for Everyday Living*.Taunton Press, Newtown, CT. Shin, K. (2015), *Patternmaking for Underwear Design, 2nd Edition*, Createspace, Charleston	