

# 19TT214 PATTERN ENGINEERING LABORATORY

Hours Per Week :

L	T	P	C
-	-	4	2

Total Hours :

L	T	P	WA/RA	SSH/HS	CS	SA	S	BS
-	-	60	10	45	-	-	-	-

## COURSE DESCRIPTION AND OBJECTIVES:

This course offers concepts of pattern making for a specific garment. It starts with workroom practices that form the basis for garment cutting, making of basic body slopers with dart manipulation, sleeves and collars. The objective of this course is to impart the knowledge and skill of converting designs, sketching into a product.

## COURSE OUTCOMES:

Upon completion of the course, the student will be able to achieve the following outcomes:

COs	Course Outcomes	POs
1	Understand various pattern making tools and concepts involved in pattern making.	1,4
2	Apply the concepts of pattern making and making of patterns.	1,4
3	Analyze the needs of fit in pattern making in a given particular at of conditions or constrains.	1,8
4	Evaluate the patterns for better fit.	2,5,8
5	Design the patterns for a given application.	3
6	Demonstrate various developments in the field of pattern engineering.	6

## SKILLS:

- ✓ Selection of measurements for a given design
- ✓ Design the bodice blocks for skirt, torso and sleeves
- ✓ The dart manipulation for the particular fit
- ✓ Draft standard size block patterns for men, women
- ✓ Grading of shirt, trousers, jacket, waistcoat



## SOURCE:

<http://www.inventex.eu/en/services-and-support/services-for-systems-cad-cam/cad-services-construction-and-grading-of-patterns>.

## LABORATORY EXPERIMENTS

### LIST OF EXPERIMENTS:

**TOTAL HOURS: 30**

1. To study the list of tools used for pattern making.
2. To take measurements from a mannequin.
3. To prepare torso blocks of basic blocks
4. To prepare skirt patterns of basic blocks
5. To prepare sleeve pattern of basic blocks and 2 customized sleeve patterns.
6. Preparation of patterns for making of Baba suit.
7. Preparation of patterns through dart manipulation.
8. Preparation of patterns for making of salwar and Kameez.
9. Preparation of patterns for making of blouse.
10. Preparation of patterns for making of skirt.
11. Preparation of patterns for making of Brassier and Panties.
12. Preparation of patterns for making of Men's Shorts.
13. Preparation of patterns for making of Men's Formal Shirts.
14. Preparation of patterns for making of Men's Formal Trouser.
15. Preparation of patterns for making of Jeans.

### TEXT BOOKS:

1. J Helen Armstrong, "Pattern Making for Fashion Designers" 4<sup>th</sup> edition, Prentice-Hall, New Jersey, 2006.
2. C Schaeffer, "The Complete Book of Sewing Shortcuts", Sterling Publishing (NY), 1981.

### REFERENCE BOOK:

1. G. Cooklin, "Master Patterns and Grading for Women's Outsize", Blackwell Scientific Publications, 1995.