

PATTERN FUNDAMENTALS

UNIT I: Introduction to Body Measurements (Weeks 1-2)

Week 1

- **Lecture 1:** Introduction to standard measurements – Definition, need, and importance.
- **Lecture 2:** Classification of measurements – Circumference, horizontal, and vertical.
- **Lecture 3:** Methods of taking measurements – Direct methods.
- **Lecture 4:** Methods of taking measurements – Indirect methods.

Week 2

- **Lecture 5:** Figure types – Normal figures and abnormalities in figures.
 - **Lecture 6:** Practical demonstration of taking body measurements.
 - **Lecture 7:** Case studies – Addressing common measurement issues.
 - **Lecture 8:** Summary and Q&A session for Unit I.
-

UNIT II: Pattern Making (Weeks 3-6)

Week 3

- **Lecture 9:** Types of pattern making – Flat pattern drafting and draping.
- **Lecture 10:** Tools for pattern making – Pins, scissors, measuring tapes, curves, etc.
- **Lecture 11:** Pattern-making terminology – Basic pattern set, templates, working pattern.
- **Lecture 12:** Pattern-making terminology – Production pattern, design specification sheet, and pattern chart.

Week 4

- **Lecture 13:** Grain line, selvage, darts, dart intake – Definitions and uses.
- **Lecture 14:** Truing and blending – Techniques and importance.
- **Lecture 15:** Pattern manipulation – Dart manipulation and addition of fullness.
- **Lecture 16:** Pattern-making principles – Seam allowance, ease allowance, and continuity.

Week 5

- **Lecture 17:** Pattern grading – Concepts and practical techniques.
- **Lecture 18:** Pattern alteration – Methods and applications.
- **Lecture 19:** Pattern layout – Guidelines and defects.
- **Lecture 20:** Pattern finishing and pattern count.

Week 6

- **Lecture 21:** Overview of pattern defects and how to address them.
 - **Lecture 22:** Empire line and princess line – Definitions and examples.
 - **Lecture 23:** Practical session – Basic pattern drafting.
 - **Lecture 24:** Review and Q&A for Unit II.
-

UNIT III: Fabric Preparation (Weeks 7-8)

Week 7

- **Lecture 25:** Fabric inspection – Identifying defects like skewness, bowing, slubs, holes, etc.
- **Lecture 26:** Relaxation and conditioning of fabrics.
- **Lecture 27:** Shrinkage – Pre and post processes.
- **Lecture 28:** Shade sorting and straightening fabric edges.

Week 8

- **Lecture 29:** Practical demonstration of fabric preparation steps.
 - **Lecture 30:** Edge cutting and finishing – Guidelines and techniques.
 - **Lecture 31:** Workshop – Solving common fabric preparation issues.
 - **Lecture 32:** Unit review and quiz on fabric preparation.
-

UNIT IV: Pattern Styles (Weeks 9-11)

Week 9

- **Lecture 33:** Necklines – Classification and terminology (U, V, round, keyhole, etc.).
- **Lecture 34:** Collar styles – Convertible, non-convertible, Peter Pan, shawl, etc.
- **Lecture 35:** Sleeve styles – Shirt sleeve, kimono, raglan, leg-o-mutton, etc.
- **Lecture 36:** Yokes – Types and design considerations.

Week 10

- **Lecture 37:** Pockets – Classification and style terminologies.
- **Lecture 38:** Plackets – Definition and classification.
- **Lecture 39:** Style lines – Examples and practical applications.
- **Lecture 40:** Workshop – Creating different pattern styles.

Week 11

- **Lecture 41:** Group activity – Designing patterns with unique styles.
- **Lecture 42:** Practical demonstration of neckline and sleeve combinations.

- **Lecture 43:** Case study – Analyzing popular pattern styles.
 - **Lecture 44:** Unit review and Q&A for pattern styles.
-

UNIT V: Garment Styles (Weeks 12-16)

Week 12

- **Lecture 45:** Tops – Classification based on shape.
- **Lecture 46:** Skirts – Classification based on length.
- **Lecture 47:** Skirts – Classification based on shape.
- **Lecture 48:** Pants – Classification based on length.

Week 13

- **Lecture 49:** Pants – Classification based on fit.
- **Lecture 50:** Practical session – Identifying garment styles.
- **Lecture 51:** Case study – Trends in garment styles.
- **Lecture 52:** Workshop – Sketching tops and bottoms based on classifications.

Week 14

- **Lecture 53:** Advanced garment styles – Exploring modern variations.
- **Lecture 54:** Practical demonstration – Combining different garment elements.
- **Lecture 55:** Presentation of individual garment styles.
- **Lecture 56:** Peer review and feedback session.

Week 15

- **Lecture 57:** Final project briefing – Designing and presenting a complete outfit.
- **Lecture 58:** Practical support session for projects.
- **Lecture 59:** Peer collaboration and troubleshooting garment designs.
- **Lecture 60:** Workshop – Perfecting finishing techniques.

Week 16

- **Lecture 61:** Final project presentation – Display and evaluation.
- **Lecture 62:** Feedback and grading of projects.
- **Lecture 63:** Recap of the course – Highlights and takeaways.
- **Lecture 64:** Farewell discussion and future scope in garment design.