



# **INTERMEDIANT APPAREL PRODUCTION**

## **NTQF Level-II**

### **Learning Guide#17**

#### **UNIT OF COMPETENCE: Carry-out and Analyze Body Measurements**

#### **Module Title: Carrying-out and Analyzing Body Measurements**

**LG CODE: IND IAP2 M05 -LO3- LG17**

**TTLM CODE: IND IAP2 TTLM 0919v1**

LO3: Assess physical characteristics



Instruction Sheet	Learning Guide#17
-------------------	-------------------

## Introduction

This learning guide is developed to provide you the necessary information regarding the following content coverage and topics:

- ✓ Identify and compare body characteristics to standard body
- ✓ Compare body characteristics to standard body
- ✓ Identify and assess unique features for potential problems in fit.
- ✓ Record information on body characteristics

This guide will also assist you to attain the learning outcome stated in the cover page. Specifically, upon completion of this Learning Guide, you will be able to –

- Body characteristics are identified and compared to standard body.
- Unique features are identified and assessed for potential problems in fit.
- Information on body characteristics of fit model is recorded.

### Learning Instructions:

1. Read the specific objectives of this Learning Guide.
2. Follow the instructions described below
3. Read the information written in the “Information Sheets”. Try to understand what are being discussed. Ask your teacher for assistance if you have hard time understanding them.
4. Accomplish the “Self-checks” in each information sheets.
5. Ask from your teacher the key to correction (key answers) or you can request your teacher to correct your work. (You may get the key answer only after you finished answering the Self-checks).
6. If you earned a satisfactory evaluation proceed to “Operation sheets and LAP Tests if any”. However, if your rating is unsatisfactory, see your teacher for further instructions or go back to Learning Activity.
7. After you accomplish Operation sheets and LAP Tests, ensure you have a formative assessment and get a satisfactory result;
8. Then proceed to the next information shee



Information Sheet-1	<b>Identify and compare body characteristics to standard body</b>
---------------------	---

## Introduction

Fashion designer utilizes "fit models" in order to go about the process of fitting and sizing their clothing. A fit model is an actual model (person) that the designer will use to try on clothing. This will help the designer develop their standard for fit. Fit models come in all shapes and sizes. The designer needs to select one based on their perception of their target market. For example, if a designer is targeting teenage girls, they would most likely utilize a teenage fit model. The fashion industry has fit models such as plus size fit models, maternity fit models, lingerie models, petite models, male models, female models, etc. Fit models can virtually come in any shape or size. It is up to the designer to select the model that they believe to be most appropriate to match the fit of their consumers. Yes, this is very challenging. Clearly, each person has a different body. It is not easy to figure out the best standard for your customer base.

After size specs are developed, the manufacture will develop fit samples. A fit session is then scheduled with a fit model and the garments are worn by the model so that the designer or the designer's staff can inspect the fit and drape of the garments. When a fit model works with a fashion designer, he or she will regularly come in for fittings. Typically, the garments are not perfect on the first submit. Therefore, size spec corrections are made, new fit samples are produced, and then new fitting sessions are arranged. This is actually a good thing for fit designers, because this allows them additional fit sessions (which allow them to earn more money).

What happens to fit models that age, gain weight, grow taller, etc.? Well, this could be a problem, the purpose of the fit model is so that the designer can maintain a "standard". If the fit model (standard), grows or shrinks then the standard has changed. That is certainly not a good thing. Here are some of the body characteristics to body standards:

- ✚ Posture
- ✚ Genetic, developmental and structural influences
- ✚ Shape classifications such as hourglass, rectangular, pear, inverted triangle
- ✚ Anthropometric classifications
- ✚ Shoulder slope - raised, normal, sloping
- ✚ Body sway and postural asymmetry - according to lower and upper body



- ✚ Proportions - high or low waist, mid-body shortness
- ✚ Ethiopian Standards, international standards, and recommended size charts
- ✚ proprietary data developed in-house or through external sources which define the figure as proportional, aligned and falling within appropriate weight for age parameters for target population



Self-Check -1	Written Test
---------------	--------------

Directions: Answer all the questions listed below. Use the Answer sheet provided in the next page:

1. How can identify and compare body characteristics to standard body?
2. What are the characteristics to compare body characteristics to standard body?
3. What is standard body?

**Note: Satisfactory rating - 3 points**

**Unsatisfactory - below 3 points**

Answer Sheet

Score = \_\_\_\_\_

Rating: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Short Answer Questions

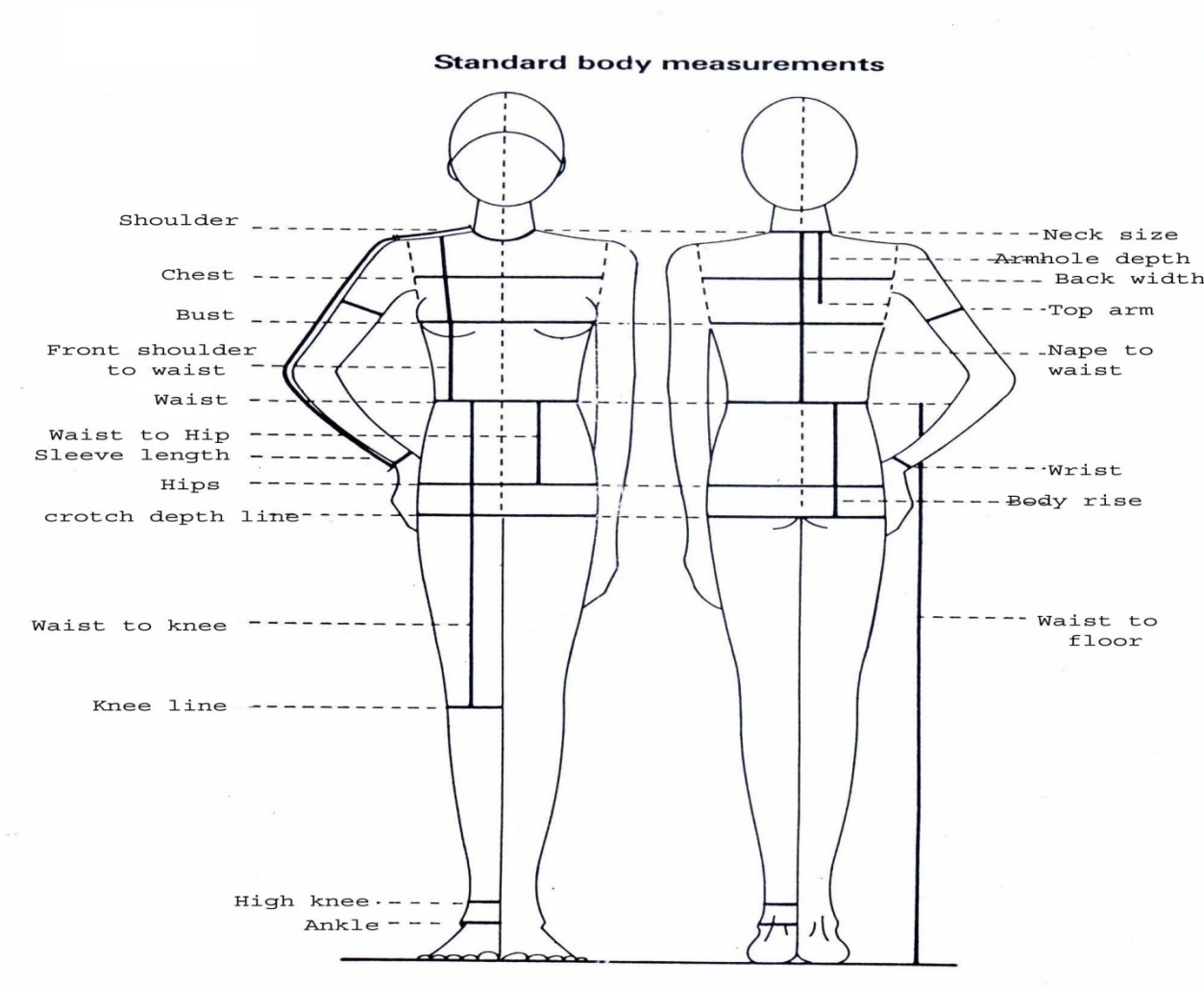


Information Sheet-2	<b>Compare body characteristics to standard body</b>
---------------------	--

### Introduction

Fashion designer utilizes "fit models" in order to go about the process of fitting and sizing their clothing. A fit model is an actual model (person) that the designer will use to try on clothing. This will help the designer develop their standard for fit. Fit models come in all shapes and sizes. The designer needs to select one based on their perception of their target market. For example, if a designer is targeting teenage girls, they would most likely utilize a teenage fit model.

- ✚ Ethiopian Standards, international standards, and recommended size charts
- ✚ proprietary data developed in-house or through external sources which define the figure as proportional, aligned and falling within appropriate weight for age parameters for target population





Self-Check -2	Written Test
---------------	--------------

Directions: Answer all the questions listed below. Use the Answer sheet provided in the next page:

1. Compare and contrast Ethiopian Standards with international standards, and recommended size charts?
2. Discuss and explain Ethiopian Standards?

**Note: Satisfactory rating - 2 points**

**Unsatisfactory - below 2 points**

Answer Sheet

Score = \_\_\_\_\_

Rating: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Short Answer Questions

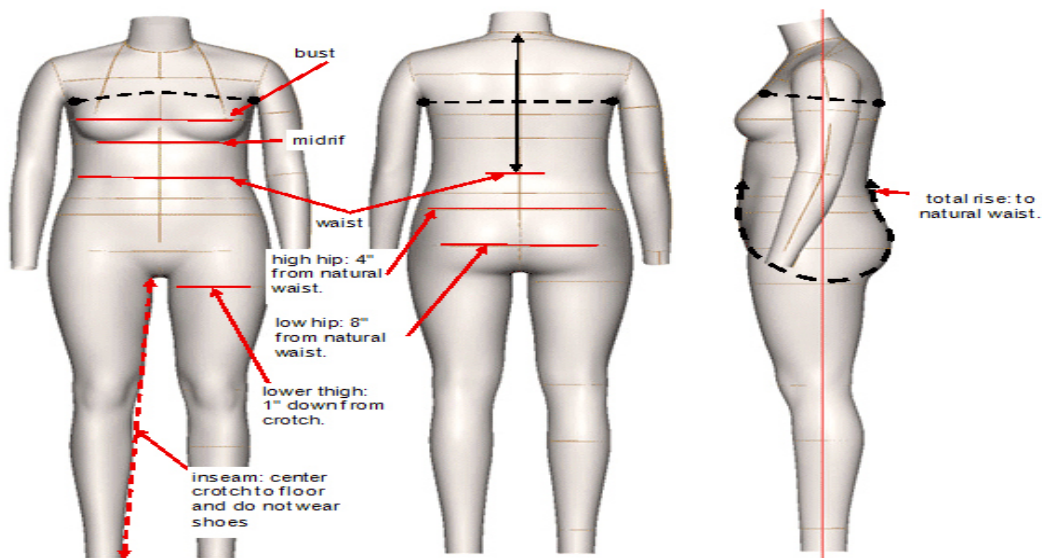


Information Sheet-3	<b>Identify and assess unique features for potential problems in fit model</b>
---------------------	--

## Introduction

Fit models are typically required to have a very balanced and proportioned body shape (if the designer is looking to fit "average" body types). However, even fit models body dimensions vary from one model to the next. Certainly, fit modeling is not a perfect science

"When we say an inch per size that means in the chest, the waist, in the high hip, in the low hip in the thigh, in the bicep," she added. "Every particular point on their garment is measured and it's graded."



In addition to knowing their own measurements, fit models must know the slope of their shoulders, and the measurements from shoulder to bust line and from shoulder to hip. He or she should be aware of inseam and thigh measurements as well as the fabric of the garment he or she is trying on. Knits and Lycra give more than woven material or denim. All of these factors come into play when a fit model is helping a technical design team size the garment.





Self-Check –3	Written Test
---------------	--------------

Directions: Answer all the questions listed below. Use the Answer sheet provided in the next page:

1. What are assess unique features for potential problems in fit model?
2. What are the potential problems in fit model?

**Note: Satisfactory rating - 2 points**

**Unsatisfactory - below 2 points**

Answer Sheet

Score = _____
Rating: _____

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Short Answer Questions



Information Sheet-4	Record information on body characteristics
---------------------	--

## Introduction

Measurements are the foundation of pattern drafting. They establish basic axes which are natural to the body. These axes are then used to reconstruct the shape of the body onto the paper. They must take with complete accuracy.

Measurements can be taken without assistance, but the task is easier when you have someone to help you. Finished measurements are the final measurement values where the pattern is constructed. It is the body measurement with add on value so that it allows the person to have free movement.

These are values which will be added on the body some measurements specifically on selected measurements so that the person will have comfort and free movement when wear the garment. To obtain measurements there are three methods, they are

1. Basic mathematics
2. Obtaining measurement
3. Identifying type of Measurement

Measurement (cm)	1/1	1/2	1/4	1/8
Height	168	84	42	21
Bust	88	44	22	11
Waist	72	36	18	9
Hip	97	48.5	24.25	12.125
Sleeve length	60			



Measurement (cm)	calculated		Add-on	Finished
Back height	19.8		+ 1.0	20.8
Back length	42.0			42.0
Hip depth	61.8			62.8
Length	75.0			75.0
Neck line/mirror	6.4			6.4
Bust depth II	28.0			28.0
Front length II	45.5			45.5
Back width	16.5		+ 1.0	17.5
Armhole	9.5		+ 1.5	11.0
Bust width	18.0		+ 1.5	19.5
½ Bust	44.0		+4.0	48
Armhole $1/3 = 3.67$		$2/3 = 7.33$		$1/4 = 2.75$



Self-Check -4	Written Test
---------------	--------------

Directions: Answer all the questions listed below. Use the Answer sheet provided in the next page:

1. How do you record your measurements?
2. How many methods are there for recording measurements?

**Note: Satisfactory rating - 2 points**

**Unsatisfactory - below 2 points**

Answer Sheet

Score = \_\_\_\_\_

Rating: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Short Answer Questions



Operation Sheet 1	<b>Assessing physical characteristics</b>
-------------------	---

OPERATION TITLE: Assessing physical characteristics

PURPOSE: enable to identify physical characteristics & demographic characteristics during measuring fit model.

EQUIPMENT, TOOLS AND MATERIALS: -

#### TOOLS

- tape measure,
- pen/pencil
- eraser,
- standard chart,
- dummy

CONDITIONS OR SITUATIONS FOR THE OPERATION: - given necessary tools & equipment's. You are required to perform the following within 10 minutes

PROCEDURE:-

- Identify and compare body characteristics to standard body measurements
- Recorded information in body characteristics and Demographics of fit model

PRECAUTIONS:-

- Consider Body characteristics & Demographics of fit model
- Use standard body measurements.

QUALITY CRITERIA:-

- Measuring fit model in accordance with Body & Demographics characteristics.



Operation Sheet 2	Continue .....operation sheet.....
-------------------	------------------------------------

Procedures for -----

Step 1-

Step 2-

Step 3-

Step N

Operation Sheet-N	CONTENT-N
-------------------	-----------

Techniques for-----:

Step 1-

Step 2-

Step 3-

Step N

.

LAP Test	Practical Demonstration
----------	-------------------------

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Time started: \_\_\_\_\_ Time finished: \_\_\_\_\_

Instructions: Given necessary templates, tools and materials you are required to perform the following tasks within --- hour.

Task 1.

Task 2.

Task N.



## List of Reference Materials

- 1- BOOKS
- 2- WEB ADDRESSES (PUTTING LINKS)