

MEDICAL PHYSIOLOGY

UNIT CODE: MED/CU/NUD/CC/02/6/A

Relationship to Occupational Standards

This unit addresses the unit of competency: demonstrate the knowledge of physiologic principles

Duration of Unit: 70 hours

UNIT DESCRIPTION

This unit specifies the competencies required to demonstrate the knowledge of medical physiology. It involves demonstrating the knowledge of physiologic principles, demonstrating the knowledge of human body systems, integumentary system.

Summary of Learning Outcomes

- 1 Demonstrate the knowledge of physiologic principles
- 2 Demonstrate the knowledge of the human body systems
- 3 Demonstrate the knowledge of the integumentary system

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Demonstrate the knowledge of physiologic principles	<ul style="list-style-type: none">• Functions of cellular organelles• Body fluid compartments• Units of measurement of the physiochemical constituent in cells• Concentration of solutes• Types of forces producing movement of substances between body fluid compartments	<ul style="list-style-type: none">• Written .• Observation• Third party report• Oral questioning• Interviews
2. Demonstrate the knowledge of the human body systems	<ul style="list-style-type: none">• The components of the human body systems• Relevant functions of the body s systems• Relevant principles of the body s systems to performance of therapy treatment• The nervous system• The cardiovascular system• The respiratory system	<ul style="list-style-type: none">• Written .• Observation• Third party report• Oral questioning• Interviews

Learning Outcome	Content	Suggested Assessment Methods
	<ul style="list-style-type: none"> • The renal system • Musculoskeletal system • Reproductive system • Skin • Gastro intestinal system • Central nervous system • Endocrine system • Special senses 	
3. Demonstrate the knowledge of the integumentary system	<ul style="list-style-type: none"> • Components of the integumentary systems • Functions of the integumentary systems 	<ul style="list-style-type: none"> • Written . • Observation • Third party report • Oral questioning • Interviews

Suggested Methods of Delivery

- Projects
- Demonstration by trainer
- Practice by the trainee
- Discussions
- Direct instruction

Recommended Resources

- Analytical lab
- Stationery
- Microscopes and slides
- Staining reagents
- Skills lab
- Stethoscopes
- Laboratory animals