**Course Description:**

Students will learn the anatomy of the head and scalp, structure of the hair and various techniques and procedures for analyzing hair, scalp disorders and diseases. Students will be able to determine hair porosity, elasticity, density, texture and growth patterns as well as conduct chemical tests for treated hair and ability to recommend corrective scalp procedures.

**Strand 1. Business Operations/21st Century Skills**

Learners apply principles of economics, business management, marketing and employability in an entrepreneur, manager and employee role to the leadership, planning, developing and analyzing of business enterprises related to the career field.

**Outcome: 1.1. Employability Skills**

Develop career awareness and employability skills (e.g., face‐to‐face, online) needed for gaining and maintaining employment in diverse business settings.

**Competencies**

1.1.12. Identify healthy lifestyles that reduce the risk of chronic disease, unsafe habits and abusive behavior.

**Outcome: 1.3. Business Ethics and Law**

Analyze how professional, ethical and legal behavior contributes to continuous improvement in organizational performance and regulatory compliance.

**Competencies**

1.3.1. Analyze how regulatory compliance affects business operations and organizational performance.

1.3.2. Follow protocols and practices necessary to maintain a clean, safe and healthy work environment.

1.3.4. Identify how federal and state consumer protection laws affect products and services.

1.3.5. Access and implement safety compliance measures (e.g., quality assurance information, safety data sheets [SDSs], product safety data sheets [PSDSs], United States Environmental Protection Agency [EPA], United States Occupational Safety and Health Administration [OSHA]) that contribute to the continuous improvement of the organization.

**Outcome: 1.8. Operations Management**

Plan, organize and monitor an organization or department to maximize contribution to organizational goals and objectives.

**Competencies**

1.8.10. Analyze how business management and environmental management systems (e.g., health, safety) contribute to continuous improvement and sustainability.

**Strand 2. Human Body System**

Learners will analyze and explain the various forms, and functions associated with body systems and alterations from a normal state. Particular emphasis is given to disorders of the hair, skin, and scalp.

**Outcome: 2.2. Disorders of the Skin, Glands, Hair and Scalp**

Explain the various disorders and treatments associated with the skin, hair, glands, and scalp.

**Competencies**

2.2.1. Identify and describe diseases, and disorders of the skin and glands.

2.2.5. Describe the various contagious and non-contagious disorders of the hair and scalp.

**Strand 3. Health and Safety Interventions**

Students analyze the impact of hygiene and bacteriology on personal care services and how to demonstrate safe practices in accordance with federal, state and local regulations. Students gain general knowledge in infection control, prevention, and reducing risk of injury.

**Outcome: 3.1. Environmental Interventions**

Create and maintain a safe and sanitary environment.

**Competencies**

3.1.1. Use standard precaution guidelines, recommended by the Centers for Disease Control and Prevention.

3.1.2. Identify and remove environmental and electrical hazards to decrease the risk of falls, injury, or ingestion of dangerous materials (e.g., clutter, equipment, throw rugs, spills, plants, hazardous chemicals).

3.1.3. Demonstrate chemical and electrical safety and their application to the work environment.

3.1.4. Determine the risk of burns resulting from equipment, liquids, chemicals and fire.

3.1.5. Implement disaster preparedness response to fire, tornado, emergency evacuation, hazardous material spill, infant/child abduction, bomb threat, violent person, active shooter, missing adult and loss of power.

3.1.6. Identify risk factors of exposure to hazardous materials (i.e., chemical, radiologic, microbial) and provide safety precautions.

3.1.7. Account for all instruments, supplies and equipment.

3.1.8. Perform the safe operation, packing and cleaning of equipment.

3.1.9. Prepare and dispense solutions made from concentrates according to manufacturers’ directions.

3.1.10. Explain the need for appropriate working heights of chairs, stools, footrests, work areas and equipment.

3.1.11. Properly position clients to safely deliver service.

**Outcome: 3.2. Principles of Infection Control**

Use principles of infection control to prevent the growth and spread of pathogenic microorganism’s, infection, and ensure client safety.

**Competencies**

3.2.1. Identify the different types and classifications of bacteria.

3.2.2. Explain bacteria growth and its relationship to diseases and infection.

3.2.3. Describe the chain of infection and mechanisms for the spread of infection.

3.2.4. Implement methods of controlling or eliminating microorganisms and the importance of practices that hinder the spread of infection (e.g., hand washing, disinfecting care areas).

3.2.5. Use personal protective equipment (PPE) when encountering body fluids, potential of splashing, or respiratory droplets. (e.g., sneezing, coughing)

3.2.6. Perform various decontamination techniques and procedures.

3.2.7. Dispose of refuse and biodegradable materials, according to manufacturers’ directions and state and federal requirements.

3.2.8. Implement effective draping and client protection techniques.

3.2.9 Apply principles of decontamination (e.g. sanitize, disinfect, and sterilize.)

**Strand 4. Hair and Skin Services**

Students will learn to apply and analyze shampoo, rinse and conditioning services to clients. Students will perform hair analysis, cutting and styling services. Concepts and application of chemical waving, lightening, and coloring will be performed on clients.

**Outcome: 4.2. Chemical Texturing**

Students will explain and demonstrate the procedures and techniques used in permanent waving, chemical relaxing, and curl reforming services.

**Competencies**

4.2.2. Based on the composition and current state of hair and scalp, evaluate possible reactions to various chemical treatments (e.g., permanent wave, relax).

4.2.5. Describe special problems associated with chemical waving or chemical hair relaxing procedures.

4.2.9. Apply knowledge of possible adverse chemical reactions to the skin.

4.2.10. Apply the proper chemicals required for a permanent wave or chemical relaxer.

**Outcome: 4.3. Hair Coloring**

Students will define the law of color and identify the natural and artificial tone and level to perform a hair color technique.

**Competencies**

4.3.5. Identify potential problems that may be encountered during a hair coloring procedure and explain corrective measures.

4.3.8. Perform an FDA mandated skin test.

4.3.9 Select and assemble all needed materials.

4.3.13. Perform a strand test.

**Outcome: 4.5. Haircutting**

Students will cut hair to create various forms and shapes while demonstrating the proper use of equipment.

**Competencies**

4.5.4. Apply the use of razors, shears and clippers to achieve the desired results.

**Strand 5. Nail and Facial Services**

Students will examine the nails and recognize common disorders and diseases. Students will apply techniques for various facial services for clients. Students will also apply face, arm, and hand massage techniques for clients.

**Outcome: 5.1. Nail Care**

Students will perform basic and advanced nail care services for clients.

**Competencies**

5.1.4. Identify health conditions that prohibit the safe use of massage.

5.1.8. Perform proper techniques for foot care, including sanitizing and soaking.

5.1.13. Correctly apply artificial material to the natural nail following safety protocol.