ELECTRICITY & LIGHT THERAPY
Course Syllabus

Course Number: BARB-1238  
OHLAP Credit: No

OCAS Code: None
Course Length: 25 Hours
Career Cluster: Human Services
Career Pathway: Personal Care Services
Career Major(s): Barber

Pre-requisite(s):

Course Description: Students will learn some important safety precautions regarding the use of electricity in the salon. In addition, students will be introduced to different electrical currents that can be used for scalp and facial electrotherapy treatments.

Textbooks:

Course Objectives:

A. Explain the Nature of Electricity¹
   1. Define electrical terms and the nature of electricity.¹
   2. Discuss the two types of electric current.¹
   3. Define terms for how electricity is measured for safe operation of a particular piece of equipment.¹
   4. Discuss a fuse, circuit break breaker, and GFCI.¹
   5. Explain the proper use of the different types of electricity in a shop and the safety precautions that must be followed for electrical safety.¹

B. Demonstrate Light Therapy¹
   1. Identify different electrical modalities useful for facial and scalp treatments.¹
   2. Explain visible and invisible light rays.¹
   3. List the devices that produce light and describe the type of light generator.¹
   4. Discuss the differences between ultraviolet and infrared rays.¹
   5. Explain the benefits and disadvantages of ultraviolet and infrared rays.¹
   6. Demonstrate the proper uses of light therapy.¹
   7. Demonstrate steps to protect yourself and your client when giving light treatments.¹
   8. List two main considerations when planning the lighting for your salon.¹

¹ Oklahoma State Barber Board Objective
² ODCTE Objective
All unmarked objectives are TTC instructor developed.
Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

Grading Procedures: 1. Students are graded on theory and shop practice and performance. 2. Each course must be passed with seventy (70%) percent or better. 3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

Description of Classroom, Laboratories, and Equipment: Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit: The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility: The student must maintain a grade point average of 2.0 or better.