CHEMISTRY FOR BARBERS
Course Syllabus

Course Number: BARB-1242
OHLAP Credit: No
OCAS Code: None
Course Length: 15 Hours
Career Cluster: Human Services
Career Pathway: Personal Care Services
Career Major(s): Barber

Pre-requisite(s):

Course Description: In this course students will study those aspects of chemistry as it relates to the Barbering Profession. In addition, students will study the effect at chemicals in today’s cosmetic products have on the hair.

Textbooks:

Course Objectives:

A. Discuss the Basics of Chemistry
   1. Discuss organic and inorganic chemistry.
   2. Explain the two types of chemical bonds that occur.
   3. Outline the differences between physical and chemical changes and give examples of each.
   4. Define matter.
   5. List the four states of matter.

B. Explain the Chemistry of Water
   1. Describe elements, compounds, and mixtures.
   2. Illustrate pH and the pH scale to a barber.
   3. List the different types of water.
   4. Explain oxidation-reduction reactions and an example of each.

C. Describe Cosmetic Chemistry
   1. Describe differences between formulations such as emulsions, suspensions, and solutions.
   2. List the different types of cosmetic products used in barbering and cosmetology industries and the characteristics of each.
   3. Explain how chemistry makes hairstyling possible.

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.
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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.