



## **Course Syllabus**

### **CSME 1453 Chemical Reformation**

**Catalog Description:** Presentation of the theory and practice of chemical Reformation. Topics include terminology, application and workplace competencies related to chemical Reformation.

**For students in this course who may have a criminal background, please be advised that the background could keep you from being licensed by the State of Texas. If you have a question about your background and licensure, please speak with your faculty member or the department chair. You also have the right to request a criminal history evaluation letter from the applicable licensing agency.**

**Lecture hours = 2, Lab hours = 6**

**Prerequisites:** CSME 1447

**Semester Credit Hours:** 4

**Lecture Hours per Week:** 2

**Lab Hours per Week:** 6

**Contact Hours per Semester:** 128

**State Approval Code:** 120407000

**Class section meeting time:**

**Alternate Operations During Campus Closure:** In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Panola College to move to altered operations. During this time, Panola College may opt to continue delivery of instruction through methods that include, but are not limited to: online learning management system (CANVAS), online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor Panola College's website ([www.panola.edu](http://www.panola.edu)) for instructions about continuing courses remotely, CANVAS for each class for course-specific communication, and Panola College email for important general information.

**Instructional Goals and Purposes:** The purpose of this course is to provide students with the knowledge to identify terminology and demonstrate the proper application of chemicals used in chemical Reformation workplace competencies

**Learning Outcomes:**

1. Demonstrate the use and application of chemicals used in chemical Reformation entry-level competencies.

**Specific Course Objectives (includes SCANS):**

After studying all materials and resources presented in the course, the student will be able to:

1. List the factors of a hair analysis for chemical texture services.  
A.ai, aii, aiv, biv, bv bvi  
B.ci, cii, ciii
2. Explain orally the physical and chemical actions that take place during permanent waving.  
A. ai, aii, aiv, av, biv, biii, biv, bv, bvi  
B. ci, cii, cii
3. List the various types of permanent waving solutions.  
A.ai, aii, aiv, av, biv, biii, biv, bv, bvi  
B. ci, cii, ciii
4. Demonstrate basic wrapping procedures: straight back, curvature wrap, brick-lay wrap, weave wrap, double tool wrap and spiral wrap.  
B. aiii, aiv, ci, cii, ei, eii
5. Describe orally the procedure for chemical hair relaxing.  
A. ai, av, bv, bvi,  
B. ci, cii, ciii, ei, eii
6. Explain in writing the basic procedure for a soft curl permanent.  
A. ai, aii, biv, bvi  
B. ci, cii, ciii, ei
7. Demonstrate proper rod selection, sectioning, parting, wrapping, and application procedures.  
A. ai, biv, biii, biv, bv, bvi  
B. aiii, ci, cii, ciii, ei, eii,
8. List safety precautions used during chemical reformation.  
A.ai, aii, biv, biii, biv, bv, bvi, ci  
B. aiii, ci, cii, ciii, eii, eiii
9. Explain orally the importance of chemical service records.  
A. ai, aii, aiv, bi, biv, biii, bv, bvi, ci, cii, ciii, civ  
B. ai, aii, aiii, aiv, biii, biv, bv, bvi, ci, cii, ciii, civ, diii, ei, eii, eiii

**Course Content:**

A general description of lecture/discussion topics included in this course are listed in the Learning Objectives / Specific Course Objectives sections of this syllabus.

Students in all sections of this course will be required to do the following:

1. Pass all chapter tests in theory class.
2. Perform a hair analysis for chemical hair texture services identifying texture, porosity, elasticity and hair and scalp condition.
3. Demonstrate the proper client protection using safety and sanitary procedures.
4. Perform the wrapping technique for straight back, spiral, brick lay and special long hair wrap.
5. Select appropriate chemical texture product, tool and method of application for individual hair type.
6. Prepare chemical texture service record indicating client information, type of product, rod size, hair condition, processing time and results.

**Methods of Instruction/Course Format/Delivery:**

This course is offered in a face to face setting. Students must attend theory class every day. The instructor will use a combination of textbook, digital/ online instruction, handouts, demonstrations, and the use of audio/ visual equipment during this class. After theory class, the students begin the practical skills portion of the course. Students will learn by completing hands on tasks demonstrated by the instructor.

**Major Assignments / Assessments:**

The following items will be assigned and assessed during the semester and used to calculate the student's final grade.

**Assignments**

1. Practical Skills #1
2. Practical Skills #2
3. Practical Skills #3
4. Practical Skills #4
5. Monthly Tally Sheet

**Assessment(s):**

1. Chapter 20 Permanent Waving Quiz
2. Chapter 20 Chemical Relaxer Quiz
3. End of Course Exam

**Course Grade:**

The grading scale for this course is as follows:

- Exams – 35%
- Practical Skills – 35%
- Attendance – 30%

**Texts, Materials, and Supplies:**

- Milady's Standard: Cosmetology  
Delmar Thomson Learning, Inc.  
5 Maxwell Drive, Clifton Park, New York 12065-2912  
Copyright 2016
- Milady's Standard: MindTap
- Texas Department of Licensing and Regulation "Regulations and Code Book"
- Cosmetology Kit

**Required Readings:**

- Chapter 20 Chemical Texture Services

**Other:**

(Links) [www.tdlr.license.state.tx.us](http://www.tdlr.license.state.tx.us)  
[www.psiexams.com](http://www.psiexams.com)

- Courses conducted via video conferencing may be recorded and shared for instructional purposes by the instructor.
- For current texts and materials, use the following link to access bookstore listings: <http://www.panolacollegestore.com>
- For testing services, use the following link: <http://www.panola.edu/elearning/testing.html>
- If any student in this class has special classroom or testing needs because of a physical learning or emotional condition, please contact the ADA Student Coordinator in Support Services located in the Administration Building or go to <http://www.panola.edu/student-success/disability-support-services/> for more information.
- Withdrawing from a course is the student's responsibility. Students who do not attend class and who do not withdraw will receive the grade earned for the course.
- Student Handbook, *The Pathfinder*: <http://www.panola.edu/student-success/documents/pathfinder.pdf>

## SCANS CRITERIA

### 1) Foundation skills are defined in three areas: basic skills, thinking skills, and personal qualities.

- a) **Basic Skills:** A worker must read, write, perform arithmetic and mathematical operations, listen, and speak effectively. These skills include:
  - i) Reading: locate, understand, and interpret written information in prose and in documents such as manuals, graphs, and schedules.
  - ii) Writing: communicate thoughts, ideas, information, and messages in writing, and create documents such as letters, directions, manuals, reports, graphs, and flow charts.
  - iii) Arithmetic and Mathematical Operations: perform basic computations and approach practical problems by choosing appropriately from a variety of mathematical techniques.
  - iv) Listening: receive, attend to, interpret, and respond to verbal messages and other cues.
  - v) Speaking: Organize ideas and communicate orally.
- b) **Thinking Skills:** A worker must think creatively, make decisions, solve problems, visualize, know how to learn, and reason effectively. These skills include:
  - i) Creative Thinking: generate new ideas.
  - ii) Decision Making: specify goals and constraints, generate alternatives, consider risks, and evaluate and choose the best alternative.
  - iii) Problem Solving: recognize problems and devise and implement plan of action.
  - iv) Visualize ("Seeing Things in the Mind's Eye"): organize and process symbols, pictures, graphs, objects, and other information.
  - v) Knowing How to Learn: use efficient learning techniques to acquire and apply new knowledge and skills.
  - vi) Reasoning: discover a rule or principle underlying the relationship between two or more objects and apply it when solving a problem.
- c) **Personal Qualities:** A worker must display responsibility, self-esteem, sociability, self-management, integrity, and honesty.
  - i) Responsibility: exert a high level of effort and persevere toward goal attainment.
  - ii) Self-Esteem: believe in one's own self-worth and maintain a positive view of oneself.
  - iii) Sociability: demonstrate understanding, friendliness, adaptability, empathy, and politeness in group settings.
  - iv) Self-Management: assess oneself accurately, set personal goals, monitor progress, and exhibit self-control.
  - v) Integrity and Honesty: choose ethical courses of action.

### 2) Workplace competencies are defined in five areas: resources, interpersonal skills, information, systems, and technology.

- a) **Resources:** A worker must identify, organize, plan, and allocate resources effectively.
  - i) Time: select goal-relevant activities, rank them, allocate time, and prepare and follow schedules.
  - ii) Money: Use or prepare budgets, make forecasts, keep records, and make adjustments to meet objectives.
  - iii) Material and Facilities: Acquire, store, allocate, and use materials or space efficiently. Examples: construct a decision timeline chart; use computer software to plan a project; prepare a budget; conduct a cost/benefits analysis; design an RFP process; write a job description; develop a staffing plan.
- b) **Interpersonal Skills:** A worker must work with others effectively.

- i) Participate as a Member of a Team: contribute to group effort.
- ii) Teach Others New Skills.
- iii) Serve Clients/Customers: work to satisfy customer's expectations.
- iv) Exercise Leadership: communicate ideas to justify position, persuade and convince others, responsibly challenge existing procedures and policies.
- v) Negotiate: work toward agreements involving exchange of resources, resolve divergent interests.
- vi) Work with Diversity: work well with men and women from diverse backgrounds.

Examples: collaborate with a group member to solve a problem; work through a group conflict situation, train a colleague; deal with a dissatisfied customer in person; select and use appropriate leadership styles; use effective delegation techniques; conduct an individual or team negotiation; demonstrate an understanding of how people from different cultural backgrounds might behave in various situations.

c) **Information:** A worker must be able to acquire and use information.

- i) Acquire and Evaluate Information.
- ii) Organize and Maintain Information.
- iii) Interpret and Communicate Information.
- iv) Use Computers to Process Information.

Examples: research and collect data from various sources; develop a form to collect data; develop an inventory record-keeping system; produce a report using graphics; make an oral presentation using various media; use on-line computer data bases to research a report; use a computer spreadsheet to develop a budget.

d) **Systems:** A worker must understand complex interrelationships.

- i) Understand Systems: know how social, organizational, and technological systems work and operate effectively with them.
- ii) Monitor and Correct Performance: distinguish trends, predict impacts on system operations, diagnose deviations in systems' performance and correct malfunctions.
- iii) Improve or Design Systems: suggest modifications to existing systems and develop new or alternative systems to improve performance.

Examples: draw and interpret an organizational chart; develop a monitoring process; choose a situation needing improvement, break it down, examine it, propose an improvement, and implement it.

e) **Technology:** A worker must be able to work with a variety of technologies.

- i) Select Technology: choose procedures, tools or equipment including computers and related technologies.
- ii) Apply Technologies to Task: understand overall intent and proper procedures for setup and operation of equipment.
- iii) Maintain and Troubleshoot Equipment: Prevent, identify, or solve problems with equipment, including computers and other technologies.

Examples: read equipment descriptions and technical specifications to select equipment to meet needs; set up and assemble appropriate equipment from instructions; read and follow directions for troubleshooting and repairing equipment.