

# Minnesota State College Southeast

## COSM 1434: Chemical Procedures I

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: 6

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course provides an introduction to trichology, cosmetology chemicals and their applications including basic permanent wave techniques, chemical relaxing, basic haircolor techniques, safety procedures, and decontamination. (Prerequisite: None) (3 Credits: 0 lecture/3 lab)

**B. COURSE EFFECTIVE DATES:** 03/10/1999 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Theory of structure, chemical composition, characteristics and disorders and diseases of the hair
2. Demonstrate hair color, permanent wave and chemical relaxer procedures
3. Practice chemical procedures
4. Understand tools used during chemical procedures
5. Decision making
6. Time management
7. Safety and decontamination regulations

**D. LEARNING OUTCOMES (General)**

1. Perform safety and decontamination precautions used in chemical service
2. List elements found in hair
3. List parts of the hair
4. List growth cycles
5. List disorders of the hair
6. Define trichology
7. Describe hair composition
8. Identify hair cuticle
9. Identify hair cortex
10. Identify hair medulla
11. Identify hair shaft
12. Identify hair root
13. List structures associated with hair strand
14. Identify hair follicle
15. Identify hair papilla
16. Identify hair bulb
17. Identify germinal matrix
18. Define pH of hair
19. List sub-fibers of hair
20. List types of keratin protein
21. Define anagen phase
22. Define catagen phase
23. Define hair distribution
24. Describe hair distribution
25. Describe hair characteristics
26. Describe nutritional effects on hair
27. Identify contagious disorders of hair and scalp
28. Identify parasitic infections of hair and scalp
29. Identify types of alopecia
30. List steps to decontaminate tools and station
31. List steps of chemical relaxing procedure
32. Perform chemical relaxing procedure
33. Perform strand test
34. List steps of permanent wave procedure
35. Describe pre-perm shampooing technique
36. Perform pre-perm shampooing technique
37. List basic types of perm rods
38. Identify correct rod placement
39. List types of end paper techniques
40. Identify when to use each end paper technique
41. Perform sectioning and sub-section patterns
42. Perform basic block pattern
43. Perform single halo pattern
44. Perform double halo pattern

45. Perform directional wrap
46. Perform spiral wraps
47. Perform piggyback wrap
48. Perform application of perm chemicals
49. Perform a test curl
50. Identify optimum curl development
51. Perform virgin color procedure
52. Perform retouch color procedure
53. Perform virgin bleach procedure
54. Perform retouch bleach procedure
55. Perform cap highlighting technique
56. Perform weave highlighting/low lightening technique
57. Perform slice highlighting/lowlightening technique
58. Perform free-hand highlighting technique
59. Describe effects created by various highlighting techniques

**E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted