SYLLABUS

DATE OF LAST REVIEW: 02/2013
CIP CODE: 12.0401
SEMESTER: Departmental syllabus
COURSE TITLE: Chemical Services I
COURSE NUMBER: COSM0110
CREDIT HOURS: 4
INSTRUCTOR: Departmental syllabus
OFFICE LOCATION: Departmental syllabus
OFFICE HOURS: Departmental syllabus
TELEPHONE: Departmental syllabus
EMAIL: KCKCC issued email accounts are the official means for electronically communicating with our students.

PREREQUISITES: Meet requirements for Kansas Board of Cosmetology Apprentice License

REQUIRED TEXT AND MATERIALS: Please check with the KCKCC bookstore, http://kckcebookstore.com/, for the required texts for your particular class.

COURSE DESCRIPTION: This course provides both classroom and clinical instruction in basic hair coloring, hair lightening, chemical waving, and chemical hair relaxing. The course consists of 45 classroom hours and 90 clinical hours as prescribed by the Kansas Board of Cosmetology.

METHOD OF INSTRUCTION: A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentation, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE OUTLINE:

I. Hair coloring and hair lightening, 50 hours
   A. Purpose and effects
   B. Material and supplies
   C. Scalp and hair analysis
   D. Classification / types
II. Chemical waving, 50 hours
   A. Purpose and effects
B. Materials and supplies
C. Scalp and hair analysis
D. Chemical classification

III. Chemical hair relaxing, 35 hours
   A. Purpose and effects
   B. Materials and supplies
   C. Scalp and hair analysis
   D. Chemical classification

EXPECTED LEARNER OUTCOMES:

A. The student will be able to report the purpose and effects of hair coloring and hair lightening services.
B. The student will be able to explain and demonstrate scalp and hair analysis for safe and effective hair coloring and hair lightening services.
C. The student will be able to define the related chemical classifications and types for hair coloring and hair lightening.
D. The student will be able to report the purpose and effects of chemical waving.
E. The student will be able to explain and demonstrate scalp and hair analysis for safe and effective chemical waving.
F. The student will be able to define the related chemical classifications for chemical waving.
G. The student will be able to report the purpose and effects of chemical relaxing.
H. The student will be able to identify and select the appropriate materials and supplies needed for chemical relaxing.
I. The student will be able to explain and demonstrate scalp and hair analysis for safe and effective chemical relaxers.
J. The student will be able to define the related chemical classifications for chemical relaxers.

COURSE COMPETENCIES:

Upon successful completion of the course:

*The student will be able to report the purpose and effects of hair coloring and hair lightening services.*
1. The student will be able to report the purpose and effects of temporary hair coloring.
2. The student will be able to report the purpose and effects of semi-permanent hair coloring.
3. The student will be able to report the purpose and effects of demi-permanent hair coloring.
4. The student will be able to report the purpose and effects of permanent hair coloring.
5. The student will be able to identify and select the appropriate materials and supplies needed for all hair coloring and hair lightening services.
6. The student will be able to list the reasons clients color their hair.

*The student will be able to explain and demonstrate scalp and hair analysis for safe and effective hair coloring and hair lightening services.*
8. The student will be able to analyze the hair to determine porosity, elasticity, and texture.
9. The student will be able to determine the density, formation, length, and percentage of gray.
10. The student will be able to identify the natural color level and tone.
11. The student will be able to examine and analyze the condition of the scalp.
12. The student will be able to explain the principles of color theory, and relate their importance to haircoloring.

*The student will be able to define the related chemical classifications and types for hair coloring and hair
lightening.

13. The student will be able to define vegetable dyes and describe how they are related to haircolor.
14. The student will be able to define metallic salts and describe how they are used in haircolor.
15. The student will be able to describe analine derivative tints and explain their role in haircolor.
16. The student will be able to describe non-oxidative tints and report how they relate to haircolor.
17. The student will be able to explain oxidative tints and describe their function in haircolor.
18. The student will be able to define certified colors and explain how they are related to haircolor.
19. The student will be able to define temporary rinses, and identify the color type used to formulate them.
20. The student will be able to define semi-permanent tints, and identify the color type used to formulate them.
21. The student will be able to define demi-permanent tints, and identify the color type used to formulate them.
22. The student will be able to define permanent tints, and identify the color type used to formulate them.
23. The student will be able to define toners, and identify the color type used to formulate them.
24. The student will be able to define the 3 types of developers for hair color and hair lighteners and describe how they affect the action of the color or lightener.
25. The student will be able to define the 4 strengths of hydrogen peroxide commonly used for hair coloring and hair lightening, and explain how they affect the action of the color or lightener.

The student will be able to report the purpose and effects of chemical waving.
26. The student will be able to define permanent waving and report the history of chemical waving.
27. The student will be able to describe a basic perm wrap pattern and explain the results.
28. The student will be able to describe a halo and double halo wrap pattern and explain the results.
29. The student will be able to describe a candlestick wrap pattern and explain the results.
30. The student will be able to describe a piggyback wrap pattern and explain the results.
31. The student will be able to describe a spiral wrap pattern and explain the results.
32. The student will be able to identify rod sizes and select the appropriate rod size for the desired curl.
33. The student will be able to identify and select the appropriate materials and supplies needed for chemical waving.

The student will be able to explain and demonstrate scalp and hair analysis for safe and effective chemical waving.
34. The student will be able to analyze the hair to determine the porosity, elasticity, and texture of the hair, and identify whether or not the hair is in good enough condition to be permmed.
35. The student will be able to determine the density, formation, and length of the hair, and describe how these will affect the choices that need to be made regarding type of perm solution, type of wrap pattern, and timing.
36. The student will be able to analyze the scalp to determine if there is any reason a chemical wave cannot be done safely.

The student will be able to define the related chemical classifications for chemical waving.
37. The student will be able to define a cold wave, identify the pH, and discuss what types of hair this type formulation should be used with.
38. The student will be able to define an acid wave, identify the pH, and discuss what types of hair this type formulation should be used with.
39. The student will be able to define an alkaline wave, identify the pH, and discuss what types of hair this type formulation should be used with.
40. The student will be able to define an exothermic wave, identify the pH, and discuss what types of
41. The student will be able to define an endothermic wave, identify the pH, and discuss what types of hair this type formulation should be used with.

The student will be able to report the purpose and effects of chemical relaxing.
42. The student will be able to define the purpose of chemical hair relaxing.

The student will be able to identify and select the appropriate materials and supplies needed for chemical relaxing.
43. The student will be able to list the different products used in chemical hair relaxing.
44. The student will be able to explain the difference between sodium hydroxide relaxers, calcium hydroxide relaxers, and ammonium thioglycolate relaxers.

The student will be able to explain and demonstrate scalp and hair analysis for safe and effective chemical relaxers.
45. The student will be able to analyze the hair to determine the porosity, elasticity, and texture of the hair, and identify hair that is too damaged to be relaxed.
46. The student will be able to analyze the scalp to determine if there is any reason a chemical relaxer should not be given.
47. The student will be able to explain client analysis for a chemical hair relaxing treatment.

The student will be able to define the related chemical classifications for chemical relaxers.
48. The student will be able to define sodium hydroxide, calcium hydroxide, and ammonium thioglycolate.
49. The student will be able to define neutralizing shampoo and neutralizing conditioner.

ASSESSMENT OF LEARNER OUTCOMES:

Student progress is evaluated by means that include, but are not limited to, exams, written assignments, class participation and attendance.

SPECIAL NOTES:

This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student’s progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome any time.

Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups comprising our students, faculty, and staff that is free of bigotry and discrimination. Kansas City Kansas Community College is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding.

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