SYLLABUS

DATE OF LAST REVIEW: 02/2013

CIP CODE: 12.0401

SEMESTER: Departmental syllabus

COURSE TITLE: Chemical Services III

COURSE NUMBER: COSM0112

CREDIT HOURS: 5

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://www.kckccbookstore.com/, for 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. The course consists of 50 classroom hours and 105 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, 60 hours
   A. Special effects
   B. Related chemistry
   C. Safety precautions
II. Chemical waving, 50 hours
   A. Related chemistry
   B. Safety measures
III. Chemical hair relaxing, 45 hours
   A. Related chemistry
   B. Safety measures

EXPECTED LEARNER OUTCOMES:

A. The student will be able to describe and demonstrate hair coloring and hair lightening special effects.
B. The student will be able to define the chemistry of hair coloring and hair lightening.
C. The student will be able to explain and demonstrate safety precautions for hair coloring and hair lightening.
D. The student will be able to define the chemistry of chemical waving.
E. The student will be able to describe and demonstrate chemical waving safety measures.
F. The student will be able to explain the chemistry of chemical hair relaxers.
G. The student will be able to describe and demonstrate chemical hair relaxing safety measures.

COURSE COMPETENCIES:

Upon successful completion of the course:

_The student will be able to describe and demonstrate hair coloring and hair lightening special effects._
1. The student will be able to describe and demonstrate foil low lighting.
2. The student will be able to describe and demonstrate cap low lighting.
3. The student will be able to describe and demonstrate dimensional color.
4. The student will be able to describe and demonstrate tipping.
5. The student will be able to describe and demonstrate gray reduction.
6. The student will be able to describe and demonstrate streaking.
7. The student will be able to describe and demonstrate chunk color effects.
8. The student will be able to describe and demonstrate shoe shine light effects.

_The student will be able to define the chemistry of hair coloring and hair lightening._
9. The student will be able to define certified colors.
10. The student will be able to explain the chemical action of certified colors.
11. The student will be able to define polymer colors.
12. The student will be able to explain the chemical action of polymer colors.
13. The student will be able to define oxidative deposit-only haircolor.
14. The student will be able to explain the chemical action of oxidative deposit-only haircolor.
15. The student will be able to define non-oxidative permanent haircolor.
16. The student will be able to explain the chemical action non-oxidative permanent haircolor.
17. The student will be able to define vegetable tints and identify their origin.
18. The student will be able to describe the chemical action of vegetable tints.
19. The student will be able to define metallic dyes.
20. The student will be able to describe the chemical action of metallic dyes.
21. The student will be able to define compound dyes.
22. The student will be able to define oxidative/lift-deposit haircolor.
23. The student will be able to explain the chemical actions of oxidative/lift-deposit haircolor.
24. The student will be able to define oil based color removers.
25. The student will be able to describe the chemical action of oil based color removers.
26. The student will be able to define dye solvents.
27. The student will be able to describe the chemical action of dye solvents.
28. The student will be able to explain the chemical composition and actions of oil bleach.
29. The student will be able to explain the chemical composition and actions of cream bleach.
30. The student will be able to describe the chemical composition and actions of powder bleach.
31. The student will be able to identify the background necessary to pursue a career in cosmetic chemistry.
32. The student will be able to define aniline derivative colors.
33. The student will be able to describe the chemical action of aniline derivative colors.
34. The student will be able to list the physical and chemical classifications of cosmetics.
35. The student will be able to define powders, solutions, suspensions, emulsions, ointments, and soaps.

*The student will be able to explain and demonstrate safety precautions for hair coloring and hair lightening.*
36. The student will be able to explain and demonstrate predisposition testing.
37. The student will be able to explain and demonstrate proper client preparation for hair coloring and hair lightening services.
38. The student will be able to explain and demonstrate first aid measures in case of any accidental injury to the client.

*The student will be able to define the chemistry of chemical waving.*
39. The student will be able to identify what part of the hair’s structure is affected by chemical waving and in what way.
40. The student will be able to define polypeptide chains.
41. The student will be able to define peptide bonds in the hair.
42. The student will be able to identify the three types of chemical bonds in the hair.
43. The student will be able to describe the effect of chemical waving on the sulfur bonds.
44. The student will be able to describe the effect of chemical waving on the hydrogen bonds.
45. The student will be able to explain the effect of chemical waving on the disulfide bonds.
46. The student will be able to explain the chemical action of waving lotion on the hair.
47. The student will be able to define neutralizer.
48. The student will be able to describe the chemical action of neutralizer on the hair.
49. The student will be able to identify the chemical composition of waving lotion.
50. The student will be able to identify the chemical composition of neutralizer.

*The student will be able to describe and demonstrate chemical waving safety measures.*
51. The student will be able to describe and demonstrate proper client preparation for chemical waving.
52. The student will be able to describe and demonstrate first aid measures in case of accidental injury to the client.

*The student will be able to explain the chemistry of chemical hair relaxers.*
53. The student will be able to define sodium hydroxide.
54. The student will be able to define ammonium thioglycolate.
55. The student will be able to describe the effect of ammonium thioglycolate on the hair.
56. The student will be able to explain the action of neutralizing shampoo on the hair.

*The student will be able to describe and demonstrate chemical hair relaxing safety measures.*
57. The student will be able to describe and demonstrate proper client preparation for chemical hair relaxing.
58. The student will be able to describe and demonstrate first aid measures in case of accidental injury to the client.

**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.

Kansas City Kansas Community College offers equal educational opportunity to all students as well as serving as an equal opportunity employer for all personnel. Various laws, including Title IX of the Educational Amendments of 1972, require the college’s policy on non-discrimination be administered without regard to race, color, age, sex, religion, national origin, physical handicap, or veteran status and that such policy be made known.

Kansas City Kansas Community College complies with the Americans with Disabilities Act. If you need accommodations due to a documented disability, please contact the Director of the Academic Resource Center at (913) 288-7670 V/TDD.