

Cosmetology CSME 2401

Principles of Hair Coloring and Related Theory

2 Lecture, 8 Lab hours (160 contact hours).

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Course Description:

This course is a presentation of the theory and practice of hair color and chemistry. Topics include terminology, application and workplace competencies related to hair color and chemistry. This course also introduces the student to the theory and skills of facial massage, make-up and facial treatments.

This course is a combination of 2 lecture and 8 lab (160 contact). Upon successful completion of the course the student will be awarded four semester hours.

Course Focus:

The focus of this class is to allow the student to discover how to design with color, create depth, and add texture and excitement to a hair design. Students will experience the results of various products on swatches and manikins to understand the formulation and chemistry behind color. The students will use this knowledge to create and enhance hair designs on manikins, models and clients through the use of hair coloring techniques. Special attention will be given to facial procedures and make-up applications as well using the principles learned in color theory.

End-of-Course Outcomes: Identify terminology, demonstrate the proper application, and exhibit workplace competencies related to hair color.

External accreditation standard is a passing score of 70% on state licensing examination administered by Texas Department of Licensing and Regulation on the first attempt.

Text and References:

Cosmetology Fundamentals, A Designer's Approach to Career Success,
Textbook and Workbook Pivot Point International

Color, A Designer's Approach Pivot Point International

COURSE COMPETENCIES:

This course is designed to assist the student in attaining competency in the following areas:

1. Hair Coloring
 1. Color Theory
 2. What is Color
 3. The Law of Color
2. Identifying Existing Hair Color
 1. Melanin
 2. Gray Hair
 3. Identifying Natural Level and Tone
 4. Identifying Artificial Level and Tone and Intensity
 5. Additional Considerations
3. Changing Existing Hair Color
 1. Hair Color Chemistry
 2. Hair Color Essentials
 3. Hair Color Techniques
4. Understand and utilize proper procedures to bleach and tint hair.(SCANS)
 1. Infection Control and Safety Measures
 2. Client Consultation
 3. Product and Application Overview
 1. Identify the various classifications of hair coloring and their application.
 2. Make an analysis of product's pH level.
 4. Temporary Color
 1. Select and apply temporary hair coloring, semi-permanent hair coloring and aniline derivative hair coloring
 2. Select and apply temporary hair coloring, semi-permanent hair coloring and aniline derivative hair coloring
 5. Semi-Permanent Color

1. Exhibit the ability to execute the necessary pre-tests in preparation for a hair color application (SCANS)
2. Exhibit the skills necessary for a hair color application using a manikin and a model.
6. Oxidative Color
 1. Darker Results
 2. Lighter Results
 3. Surface Painting
7. Partial Highlights: Slicing
 1. Exhibit the skills necessary for an application of dimensional hair using color and bleach on a manikin and a model.
8. Full Highlights: Weaving
9. Cap Highlighting
10. Double-Process Blonde
 1. Demonstrate skill in the basic principles of hair lightening
11. Tint Back
 1. Remove hair tints and restore color.
12. Hair Color Removal Techniques
 1. Exhibit the skills to execute reconditioning and corrective treatment relative to hair color.
13. Hair Color Problems and Solutions
5. Chemistry
 1. Matter
 1. Elements
 2. Chemical Bonds
 3. Explain the composition of elements, compounds, and mixtures
 2. The pH Scale
 1. Display a clear understanding and knowledge to properly utilize the chemicals, procedures and processes associated with cosmetology using the appropriate safety and sanitary methods.
 3. Chemistry of Cosmetics
 1. Cosmetic Classifications
 2. Shampoos
 3. Rinses and conditioners
 4. Perms
 5. Relaxers
 6. Curl Reformation
 7. Hair Color

8. Product Information
6. Study of the Skin
 1. Skin Theory
 1. Functions of the Skin
 2. Composition of the Skin
 3. Types of Skin
 4. Skin Diseases and Disorders
 1. Identify various skin ailments and describe the recommended treatment
 2. Skin Care
 1. Massage
 1. Utilize appropriate massage manipulations to the scalp, face and neck.
 2. Facial Masks
 3. Skin Care Essentials
 4. Infection Control and Safety Measures
 5. Client Consultation
 6. Basic Facial
 3. Hair Removal
 1. Hair Removal Essentials
 2. Infection Control and Safety Measures
 3. Client Consultation
 4. Temporary Hair Removal
 5. Basic Waxing
 6. Permanent Hair Removal
 4. Makeup
 1. Facial Shapes
 2. Color Theory
 3. Makeup Essentials
 4. Infection Control and Safety
 5. Client Consultation
 6. Makeup Techniques and Products
 1. Understand and demonstrate proper procedures in applying facial make-up; and prepare for facial services
 2. Demonstrate knowledge of anatomy and physiology as it applies to massages used in cosmetology
 7. Basic Makeup Application
7. Anatomy and Physiology
 1. Building Blocks of the Human Body
 1. Cells
 2. Tissues

3. Organs
4. Body Systems
2. Basic Body Systems
 1. The Skeletal System
 2. The Muscular System
 3. The Circulatory System
 4. The Nervous System
 1. Identify the motor nerve point of the face and neck.
 5. The Digestive System
 6. The Excretory System
 7. The Respiratory System
 8. The Endocrine System

STUDENT LEARNING OUTCOMES:

- The student will develop a portfolio of hair color applications using the design principles and design decision criteria provided by the instructor guidelines, to create a virgin tint darker, tint retouch, virgin tint lighter virgin bleach, and bleach retouch applications on a manikin or live model. The portfolio should also include a section on highlight applications, and lowlight applications using the same principles. Performance will be satisfactory if the project is completed in time and the portfolio meets all the specified project guidelines.
- The student will complete a decolorizing project to demonstrate competency and at achieving the degrees of de-colorization on hair with use of a variety of lightener products and developers. Performance will be satisfactory if the project is completed in the specified time and are consistent with the guidelines.
- The student will identify and define the chemicals used in cosmetology, their use, their chemical makeup, procedures for using them as well as safety regulations for handling the chemicals. Performance will be satisfactory if the information is 100% accurate.
- The student will perform facial services on clients or models including massage manipulations, following all safety and sanitation guidelines.
- The student will perform facial makeup applications to include corrective procedures to diminish facial irregularities.
- Serve clients & customers by providing cosmetology services in the cosmetology lab under direct instructor supervision

The Cosmetology Department does not guarantee that each student will acquire each learning competency nor acquire all the hours necessary to complete the program within a specified period of time. Courses are scheduled at the discretion of the department and the availability of qualified faculty.

STATEMENT OF FOUNDATION SKILLS AND WORKPLACE COMPETENCIES (SCAN SKILLS)

A study was conducted for the Department of Labor by the American Society for Training and Development which identified the seven skills United States employers want most in entry level employees. These skills are motivation to learn, basic skills, communication, teamwork, critical thinking, career development and leadership.

HCCS is committed to preparing every student with the knowledge and skills needed to succeed in today's dynamic work environment. Towards this ends, the following skills will be included in this course. Testing and assessing these skill will vary according to the individual instructor. The following are examples of how these skills may be incorporated into this course.

In the course of the semester the student will be able to develop the following SCANS competencies:

SCANS Matrix

A. Three Part Foundation	Yes	No
Basic Skills – Reads, writes, performs arithmetic and mathematical operations Listens and speaks	x	
Thinking Skills – Thinks creatively, makes decisions, solves problems, visualizes, Knows how to learn and reasons	x	
Personal Qualities – Displays responsibility, self-esteem, sociability, self-management And integrity and honesty	x	
B. Five Workplace Competencies	x	

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Resources – Identifies, organizes, plans and allocates resources	x	
Interpersonal – Works with others, , participates as a team member, teaches work-related content	x	
Information – Acquires and uses and evaluates relevant information I	x	
Systems – Understands complex inter-relationships	x	
Technology – Works with a variety of technologies	x	

GRADE DETERMINATION:

- Attendance.....15%
- Mid-term.....10%
- Final..... 15%
- Unit Exams.....10%
- Color Project.....15%
- Decolorization Project 15%
- Clinic Participation..... 20%

GRADING SCALE:

- o 100-90 =A
- o 89- 80 =B
- o 79-70 =C
- o 69-60 =D

59- REPEAT CLASS

LAB WORK

This class is a skill intensive, fast paced course and it requires that students attend class each day in order to complete their assigned projects.

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Tests and special assignments:

A research topic will be assigned and a research paper of no less than 3 double-spaced typed pages will be due. This paper will be presented orally in the class as well. Unit exams will be done at the end of each unit of the textbook.

ATTENDANCE POLICY:

Students are expected to attend class daily and be on time. Any students absent from class in excess of 12.5 percent of the hours of instruction will be dropped from the course (including lecture and laboratory time). Students arriving late to class will not be allowed to clock in. Ten points will be deducted for the first day absent from class and 5 for each day thereafter from the attendance grade

WITHDRAWALS:

It is the responsibility of the student to withdraw officially from a course to keep from receiving an "F" for the class

DRESS CODE:

Students in the cosmetology operator candidate program are expected to be self-motivated individuals and to stay on task at all times. Students must be dressed professionally and appropriately in accordance with the department dress code and must wear a lab coat at all times.

UNIFORM AS FOLLOWS:

White shirt or blouse with a collar

Black dress slacks or skirt (No denim)

$\frac{3}{4}$ length professional type lab coat

Black shoes (nursing type) no sandals or backless shoes

Hose or socks must be worn

SCHOLASTIC DISHONETY AND CLASSROOM CONDUCT:

Students are expected to conduct themselves with honor and integrity in fulfilling the course requirements. **Any student found cheating on a test, plagiarizing or in collusion will receive an "F" for the**

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assignment and the course and will be dropped from the program. See student handbook for college policy on academic dishonesty and disciplinary problems. **This level of development in a students' training is crucial to their professional development and success; any student that is disruptive or disrespectful will be dismissed from the program. Students on the client floor are expected to conduct themselves in a professional manner. Loud boisterous conduct or refusing to serve a client will constitute grounds for dismissal from the program.**

Make-up policy for missed assignments or tests:

There will be no make-up for missed unit exams. Make-up for a missed mid-term or final test will be permitted **only if the student informs the instructor in advance. The student must make arrangements to take the missed test no later than 3 days after the original test date. It should be understood that the make-up test would not be the same as the test given to the rest of the student body.**

Students with Disabilities

HCCS has a Disability Support psychological counselor and office located at each of its five colleges. Students with physical and learning/developmental disabilities may request accommodations and special equipment through these offices. For specific program information, locations and procedures to receive accommodations and equipment, see the Student Handbook and Class Schedule.