

COSM 103 Science of Cosmetology

Credit Hours: 5

Scheduled hours per week

Lecture:

Lab: 11.5 online hours

Field Experience: Actual student clock hours are 11.5 per week

Catalog Course Description: This course presents cells, tissue and organs as they relate to the histology and physiology of the skin, hair and nails and how they work together to form body systems. Major body systems will be studied, along with their impact on the skin, hair, and nails. Students will study skin, hair and nail diseases and disorders to differentiate between treatable disorders and those that require referral to a physician.

This is an online course format and requires the student to complete activities on a weekly basis.

Pre-requisites: Enrollment in the Cosmetology, Aesthetics or Nail program

Co-requisites: COSM 101

Course Learning Outcomes (CLO):

- Identify infections of the body
- Prevent Infection in a salon setting
- Identify the anatomy and systems of the body, skin, scalp, nails and hair
- Identify disorders of the body, skin, scalp, nails and hair
- Explain the chemistry involved in cosmetology and its importance
- Provide electrical services in the salon setting

CLO Assessment Methods: This course will be evaluated using tests, quizzes, and written papers.

Topics to be studied:

- **Infection Control: Principles and Practices**
 - a. Why Study Infection Control
 - b. Regulation
 - c. Principles of Infection
 - d. Principles of Prevention
 - e. Universal Precautions
 - f. The Professional Salon Image
 - g. Procedures
- **General Anatomy and Physiology**
 - a. Why Study Anatomy and Physiology
 - b. Anatomy, Physiology and You
 - c. Cells
 - d. Tissues
 - e. Organs and Body System
 - f. The Nervous System
 - g. The Circulatory System
 - h. The Lymphatic/Immune System
 - i. The Endocrine System
 - j. The Digestive System
 - k. The Excretory System
 - l. The Respiratory System
 - m. The Integumentary System
 - n. The Reproductive System
- **Skin Structure, Growth and Nutrition**

- a. Why Study Skin Structure, Growth and Nutrition
- b. Anatomy of the Skin
- c. Nutrition and Maintaining Skin Health
- **Skin Disorders and Diseases**
 - a. Why Study Skin Disorders and Diseases
 - b. Disorders and Diseases of the Skin
 - c. Disorders of the Sebaceous Glands
 - d. Disorders of the Sudoriferous Glands
 - e. Inflammations and Common Infections of the Skin
 - f. Pigment Disorders of the Skin
 - g. Hypertrophies of the Skin
 - h. Skin Cancer
 - i. Acne and Problem Skin
 - j. Aging Skin Issues
 - k. The Sun and Its Effects
 - l. Contact Dermatitis
- **Nail Structure and Growth**
 - a. Why Study Nail Structure and Growth
 - b. The Natural Nail
 - c. Nail Anatomy
 - d. Nail Growth
 - e. Know Your Nails
- **Nail Disorders and Diseases**
 - a. Why Study Nail Disorders and Diseases
 - b. Nail Disorders
 - c. Nail Diseases
- **Properties of the Hair and Scalp**
 - a. Why Study Properties of the Hair and Scalp
 - b. Structure of the Hair
 - c. Chemical Composition of Hair
 - d. Hair Growth
 - e. Hair Loss
 - f. Disorders of the Hair
 - g. Disorders of the Scalp
 - h. Hair and Scalp Analysis
- **Basics of Chemistry**
 - a. Why Study Basics of Chemistry
 - b. Chemistry
 - c. Matter
 - d. Potential Hydrogen
- **Basics of Electricity**
 - a. Why Study Basics of Electricity
 - b. Electricity
 - c. Electrical Equipment Safety
 - d. Electrotherapy
 - e. Other Electrical Equipment
 - f. Light Energy and Light Therapy

Relationship of Course to Program Learning Outcomes (PLO) or Institutional Learning Outcomes:

This course introduces and reinforces concepts taught in the following ILO categories:

- Scientific Inquiry

Relates to the program outcome- Understands the importance of the relationship between anatomy and the salon procedure

Check if approved as: Foundational Learning Course Reinforcement Learning Course

Special requirements of the course: None

Additional information: None

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