School of Natural Sciences

LECTURE OUTLINE

INSTRUCTOR: Mr Steve Herman, adjunct faculty
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COURSE TITLE: Cosmetic Formulation Lab
CATALOG NO:  Chem 6548.81         CREDITS:  2

TEXT: A number of columns written by the instructor in Global
Cosmetic Industry will be assigned. In addition, appropriate
commercial literature will supplement the lecture notes, and
experimental procedures will be distributed each week. The course
material is available on webcampus.

COURSE DESCRIPTION: This course will study skin and hair care
products, through brief lectures and extensive hands-on applications.
The student should learn to formulate through basic principles rather
than merely following pre-established formulas. The student will also
independently duplicate a commercial product during the semester,
giving both a written and oral report on the process of analysis and
development.

LECTURE        TOPIC

Jan 26   Duplication, rheology
Feb 2     Anionic Emulsions
Feb 9     HLB, non-ionic emulsions
Feb 16    Anionic Surfactants
Feb 23    LC/invert emulsions
Mar 2     Emollients
Mar 9     Midterm
Mar 23    Fixatives
Mar 30    Silicones
Apr 6     Ethnic Products
Apr 13    Antiperspirants, Deodorants
Apr 20    Sunscreens
Apr 27    Student Presentations
May 4     Final

**Evaluation:**
Attendance, 1 point per night, first 13 weeks          13%
Project                                              30%
Midterm                                              27%
Final                                                 30%

**Note:** The project will be a duplication of a commercial skin care or hair care product, with a presentation to class analyzing the market position of the product, and the steps of creating an accurate replication.

**GRADING:**
A          90-100
B          80-89
C          70-79
F          69 and below