

# 102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	美容保養配方設計	Serial No. / ID	1998 / MHI2029
Dept.	藥用植物與保健學系	School System / Class	大學日間部2年2班
Lecturer	李柏憲	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(一)789 / H563	Language	Chinese

## Introduction

Cosmetic products are of a high quality. If we want to further improve their quality, this will inevitably pass through an even better understanding of how those products or ingredients work to improve the appearance, protect their target or help maintain its natural functions. the hair, great progress is made daily in the understanding of the mechanisms of action of cosmetics. This understanding has been extensively covered in the third edition, which concentrates on skin, nail and hair cosmetics.

## Outline

- 1.Skin types, their relationship with age, sex, ethnic differences and the concept of sensitive skin.
- 2.New bioengineering techniques for studying hydration of the skin ? such as skin capacitance imaging and confocal raman spectroscopy ? and for investigating skin friction and wettability.
- 3.New developments in the de s c r i p t i o n of skin aging and anti-aging treatments.
- 4.In vitro skin tests using 3D reconstructed skin models.
- 5.Specifically targeted cosmetics (decorative products, cooling and revulsive ingredients) and new forms such as oral cosmetics.
- 6.An overview of the regulatory context for cosmetic preparations in the USA and in Europe, and of important ethical considerations in human testing.
- 7.Finally, and controversially, the values and limitations of bioengineering measurements for the substantiation of efficacy claims.

## Prerequisite

General chemistry、 Organic chemistry