

Course Schedule

Module 1: 1702720 Advanced Cosmetic Science for Skin (Master of Cosmetic Science: 1/2015)

Class: Every Saturday at Panjabhum 2 Bldg., (8th floor) 9:00 am-12:00 pm, 1:00 pm- 4:00 pm Lab : 5:00 pm - 8:00 pm

Course Coordinator: Dr.Krisada Kittigowittana

Week	Date	Lec./Lab	Topic	Lecturer	Exam	Point	อ.ผู้ประสานงาน
1	15-Aug-15	Lecture (6 hrs.)	Basic chemistry for cosmetic applications	Dr.Nisakorn Saewan Dr.Tawanun Sripisut Dr.Krisada Kittigowittana			
2	22-Aug-15		Certificate session	Dr. Phanuphong Chaiwut			
		Lecture (3 hrs.)	Introduction to Cosmetic Chemistry	Assoc. Prof. Dr. Panvipa Krisdaphong	Midterm	10	
			Lab. Check In, Safety in Lab, Lab attendace, Lab Report				
Freshman Orientation (Office of the Postgraduate Studies)							
3	29-Aug-15	Lecture (3 hrs.)	Introduction to Skin ♦ Anatomy and Physiology of the Skin ♦ Skin Terminology	Dr. Natthawut Thitipramote	Midterm	10	
		Lecture (3 hrs.)	Principles and Practice of Percutaneous Absorption	Dr.Naphatsorn Kumar	Midterm	10	
		Laboratory (3 hrs.)	Exp.1 Anatomy and Physiology of the Skin	Dr. Natthawut Thitipramote			
4	5-Sep-15	Lecture (3 hrs.)	Cosmetics and Physical Chemistry ♦ Colloids and Interface Science of cosmetic ♦ Rheology of Cosmetic System	Assist. Prof. Dr. Nattaya Lourith	Midterm	10	
		Lecture (3 hrs.)	Instrumental techniques in skin care research	Assist. Prof. Dr. Nattaya Lourith	Midterm	10	
		Laboratory (3 hrs.)	Exp.2 Instrumental practice for skin care	Assist. Prof. Dr. Nattaya Lourith Assist. Prof. Dr. Mayuree Kanlayavattanukul			
5	12-Sep-15	Lecture (3 hrs.)	Ingredients used in Skin Care Products I ♦ Oily Materials (Oils&Fats, Wax Esters, Hydrocarbons, Esters)	Dr. Ampa Jimtaisong	Midterm	10	
		Lecture (3 hrs.)	♦ Humectants (Glycerin, Propylene Glycol, Sorbital, etc.) ♦ Surfactants	Dr. Nisakorn Saewan	Midterm	10	
		Laboratory (3 hrs.)	Exp.3 HLB	Dr. Ampa Jimtaisong Dr. Nisakorn Saewan			
6	19-Sep-15	Lecture (3 hrs.)	Ingredients used in Skin Care Products III Water in skin care products	Dr. Punyawatt Pintathong	Midterm	10	
		Lecture (3 hrs.)	Preservatives for skin care products	Dr.Witayapan	Midterm	10	
		Laboratory (3 hrs.)	Exp.4 Preservatives for skin care products	Dr. Punyawatt Pintathong Dr.Witayapan			

7	26-Sep-15	Lecture (3 hrs.)	Ingredients used in Skin Care Products II ♦ Polymers in skin care cosmetics	Dr. Ampa Jimtaisong	Midterm	10		
		Lecture (3 hrs.)	♦ Silicones in Skin Care Cosmetics ♦ Silicone Technology for Personal Care Ingredients	Dr. Ampa Jimtaisong	Midterm	10		
		Laboratory (3 hrs.)	Exp.5 Silicones in skin care products	Dr. Ampa Jimtaisong Dr. Nisakorn Saewan				
8	3-Oct-15	Lecture (3 hrs.)	Dosage Forms of Skin Care Products (aerosol, emulsion, gel, foam, solution, suspension, stick, paste, patch, ointment, etc.)	Assoc.Prof.Pimporn Leelapornpisid	Midterm	10	อ.กฤษณา	
		Lecture (3 hrs.)	Skin Care Cosmetics I Gel, Mask and Suspension Products	Assoc.Prof.Pimporn Leelapornpisid	Midterm	10		
		Laboratory (3 hrs.)	Exp.6 Gel, Mask and Suspension Preparation	Assoc.Prof.Pimporn Leelapornpisid				
9	10-Oct-15	Lecture (6 hrs.)	Emulsions	Dr. Ampa Jimtaisong Dr.Nisakorn Saewan	Midterm	20		
		Laboratory (3 hrs.)	Exp.7 Emulsion Preparation	Dr. Ampa Jimtaisong Dr. Nisakorn Saewan				
10	17-Oct-15	Lecture (6 hrs.)	Moisturizing Products	Dr.Naphatsorn Kumar	Midterm	20		
		Laboratory (3 hrs.)	Exp.8 Moisturizing Product Preparation	Dr.Naphatsorn Kumar				
11	24-Oct-15	Lecture (6 hrs.)	Anti-aging Products	Dr.Krisada Kittigowittana	Midterm	20		
		Laboratory (3 hrs.)	Exp.9 Anti-aging Product Preparation	Dr.Krisada Kittigowittana				
12	31-Oct-15	Midterm Exam 3 hrs						
		Lecture (6 hrs.)	Cosmetic Safety ♦ Safety Terminology ♦ Allergy and Hypoallergic Products	Dr. Natthawut Thitipramote	Final	10		
13	7-Nov-15	Lecture (6 hrs.)	Sunscreen Products	Dr. Ampa Jimtaisong Dr.Nisakorn Saewan	Final	20		
		Laboratory (3 hrs.)	Exp.10 Sunscreen Preparation	Dr. Ampa Jimtaisong Dr.Nisakorn Saewan				
14	14-Nov-15	Lecture (6 hrs.)	Whitening Products	Dr. Ampa Jimtaisong Dr.Nisakorn Saewan	Final	20		
		Laboratory (3 hrs.)	Exp.11 Whitening Product Preparation	Dr. Ampa Jimtaisong Dr.Nisakorn Saewan				
Selected Topic Submission (Title and Core paper)								
15	21-Nov-15	Lecture (6 hrs.)	♦ Antiperspirants ♦ Deodorants	Dr. Phanuphong Chaiwut	Final	20		
		Laboratory (3 hrs.)	Exp.12 Deodorant Preparation	Dr. Punyawatt Pintathong				

16	28-Nov-15	Lecture (3 hrs.)	Clinical Trial in Skin care cosmetic I	Assist. Prof. Dr. Mayuree Kanlayavattanakul	Final	10		
		Lecture (3 hrs.)	Clinical Trial in Skin care cosmetic II	Assist. Prof. Dr. Nattaya Lourith				
		Laboratory (3 hrs.)	Exp.13 Clinical Trial in Skin care cosmetic	Assist. Prof. Dr. Nattaya Lourith Assist. Prof. Dr. Mayuree Kanlayavattanakul				
	5-Dec-15	หยุดวันเฉลิมพระชนมพรรษาพระบาทสมเด็จพระเจ้าอยู่หัว						
17	12-Dec-15	Lecture (3 hrs.)	Trends and Modernized Technologies in Skin Care Cosmetics	Prof. Dr. Aranya Manosroi	Final	10		
		Lecture (3 hrs.)	Active Ingredients from Biotechnology for Skin Care	Prof. Dr. Jiradej Manosroi				
		Laboratory (3 hrs.)	Exp.14 Active Ingredients from Biotechnology for Skin Care Cosmetics	Prof. Dr. Aranya, Prof. Dr. Jiradej				
Selected Topic Report Submission								
18	19-Dec-15	Lecture (9 hrs.)	Novel ingredients and new skincare formulations	Aj.Naraprapa Pinpong Dr.Krisada Kittigowittana	Final	20	อ.กฤษฎา	
19	26-Dec-15	Lecture (9 hrs.)	Research and development for skin cosmetic products		Final	20		
20	2-Jan-16	Selected Topic Presentation						
21	9-Jan-16	Lecture (6 hrs.)	Quality Control of Skin Care Cosmetics	Assoc. Prof. Dr. Surapol Natakankitkul	Final	20	อ.กฤษฎา	
		Laboratory (3 hrs.)	Exp.18 TLC Analysis of Cosmetic Products	Assoc. Prof. Dr. Surapol Natakankitkul				
22	16-Jan-16	Final Exam						อ.กฤษฎา

Assessments:**Lecture (85)**

1. Midterm Examination
2. Final Examination
3. Selected Topic

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35

35

10

Experiment (20)

1. Lab Report

20

Total**100**