

INSTRUMENTAL TESTING OF SKIN FOR COSMETIC SCIENCE

JULY 11, 2008
SHERATON NEWARK AIRPORT HOTEL, NEWARK, N.J.
INSTRUCTED BY RANDALL WICKETT, Ph.D.

COURSE OUTLINE

This course focuses on measuring the biophysical properties of human skin *in vivo*. Modern methods for testing the effects of skin care products will be discussed. The major emphasis will be on noninvasive measurements of skin function using instrumentation. The course goal is to teach cosmetic scientists the latest noninvasive methods for studying product effects on human skin *in vivo*.

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| <ul style="list-style-type: none"> a. Brief review of skin physiology <ul style="list-style-type: none"> i. The Dermis ii. The Epidermis and Stratum Corneum b. Principles of Skin Clinical Testing using instruments <ul style="list-style-type: none"> i. Required facilities and testing environment ii. Real world tests versus test carried out in CROs iii. Special Populations (Infants, Elderly, Atopics) c. Instrumental Methods for <i>in vivo</i> testing: Principles and Utilization <ul style="list-style-type: none"> i. Transepidermal Water Loss, Open and Closed Chamber Devices ii. Electrical Measurements (Capacitance, Conductance, Impedance) iii. Mechanical Properties iv. Corneosurfometry v. Laser Doppler Blood Flow | <ul style="list-style-type: none"> vi. In-vivo spectroscopy – UV/Visible, IR/ATR, Fluorescence, Raman vii. High frequency Ultrasound Imaging of Skin viii. Optical Coherence Tomography ix. Magnetic Resonance Imaging of Skin x. Image analysis and profilometry of replicas xi. Image analysis of topography <i>in vivo</i>, fringe projection, laser imaging xii. Skin Color Measurements <ul style="list-style-type: none"> d. Study designs for Specific Topical Products <ul style="list-style-type: none"> i. Cleansers- Patch vs Exaggerated use tests ii. Moisturizers-Regression and Mini Regression Tests iii. Anti-aging Product Test Designs iv. Barrier Repair protocols e. Variations in biophysical properties of skin <ul style="list-style-type: none"> i. Variations with body site ii. Variations with age and ethnicity |
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FEES		
	Early Fee	Late Fee (After 06/30/08)
SCC Member	\$300.00	\$350.00
SCC Student Member	\$150.00	\$175.00
Non-Member	\$425.00	\$475.00

About The Instructor

RANDY WICKETT, Ph.D. – Obtained his Ph.D. in biophysics from Oregon State University of Corvallis Oregon in 1972 and was a Postdoctoral Fellow at the University of Minnesota in the Department of Chemistry, from 1972-1974. He worked at Proctor & Gamble's Miami Valley Laboratories from 1974 to 1985 and in the department of Dermal Research, S.C. Sjohnson & Son, Inc. from 1985-1991. He joined the University of Cincinnati College of Pharmacy as Associate Professor of Pharmaceutics and Cosmetic Science in 1991 and was promoted to the rank of Professor in 1998. He also serves as a consultant to several major skin and hair companies. Dr. Wickett is a Fellow of the Society of Cosmetic Chemists (SCC) and has received numerous SCC technical awards including the Maison G. de Navarre Medal Award, The SCC's highest award.

-Course hours: 9:00 A.M. – 5:00 P.M.

-Registration fee includes all course materials, lunch, coffee & beverage breaks.

*Parking fees not included.

-Registrants must make hotel accommodations on their own, if needed. Contact the Sheraton Newark Airport Hotel, 128 Frontage Road, Newark, NJ at (973) 849-3003. The SCC has blocked a limited number of guest rooms at a discounted rate. Indicate to reservation agent that you will be attending this SCC function. These

rates are available for a limited time so please make your reservations by 06/11/08. -Fees for the course are transferable but not refundable after 06/30/08. Applications who do not transfer to attend a different course will be subject to a \$50.00 administration fee. ALL CHECKS ARE TO BE PAID IN U.S. DOLLARS DRAWN ON A BANK WITH AN ADDRESS IN THE UNITED STATES AND MADE PAYABLE TO SOCIETY OF COSMETIC CHEMISTS.

If five or more employees from the same company register for the same course, they may deduct \$25.00 from each registration. If ten or more register they may deduct \$50.00 for each registration.

NOTE: The SCC reserves the right to cancel any course for which there is insufficient registration. A full refund will be issued in this circumstance.

SCC

REGISTRATION FORM

REGISTRATIONS CAN BE SENT TO SCC VIA:

MAIL:
Society of Cosmetic Chemists
120 Wall Street, Suite 2400
New York, NY 10005-4088

FAX:
(212) 668-1504

American Express, Visa and Master Cards are accepted for payment. All Checks should be made payable to Society of Cosmetic Chemists. Please type or print your name, as you want it to appear on your badge and certificate. Reproduce this form for additional registrations. *All courses must be paid in full before course date. **DO NOT ASSUME YOU ARE REGISTERED UNLESS YOU RECEIVE A PRINTED CONFIRMATION BY MAIL OR FAX.**

Course Title	Date	Course Fee
	TOTAL ENCLOSED	

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