Tentative Schedule

Jan. 25th Skin Structure & Function, Skin Appendages
Feb. 1st Surfactant Action on Skin
Feb. 8th Skin Lipids, Melanogenesis
Feb. 15th Aging Skin (Intrinsic & Chronological Aging), Mechanisms (Free Radicals/Antioxidants & UV Damage/ Photocarcinogenesis, MMPs, Transforming Growth Factor Beta, Estrogens, Angiogenesis)
Feb. 22nd Skin Moisturization, Skin Instrumental: TEWL, Cutometer (Conductance/Capacitance, and Prolifometry/Skin Replica; Other Assessments (Comedogenicity, DeSquames, Skin color, Residue, Sensory)
Feb. 29th Aging Skin - Treatment Strategies: Sun Damage and Sunscreens, Retinoic acid, BoTox, Chemical Peels, Laser Treatments, Naturals
Mar. 7th Catch up and Review for Mid Term
Mar. 14th Spring Break (no classes)
Mar. 21st Mid Term
Mar. 28th Immunology, Irritation and Allergic Contact Dermatitis, In Vitro Irritation, Standard Toxicology Tests: Acute (LD50) and Chronic Toxicity, Mutagenicity, Reproductive Toxicity,
Apr 4th In Vivo Safety Testing, Cumulative Irritation (Patch) Testing, RIPT, Photoallergy and Phototoxicity; Alternatives to Animal Testing - Issues EU
Apr. 11th Construct for Safety Assessment of Drugs and Cosmetics – Toxicology, Human Testing and Pharmacovigilance processes; Regulations - Cosmetics and Drugs and Rx to OTC Switch
Apr. 18th Skin Pathologies: Ichthyosis (Dry Skin) "Itch", Eczema, Psoriasis, Fungal Infections, Viral (Warts), Skin Cancers, etc
Apr. 25th Cutaneous Metabolism & Percutaneous Absorption, Skin Pharmacokinetics, Special topics -Tanning/Whitening, Nanoparticles , Antiperspirants, Preservatives,
May 2nd Miscellaneous (catch up) and Review for Final
May 9th: Final Exam
Midterm = 45% of total grade; Final = 45% of total grade; Quizes = 10% of grade (drop lowest)
Topic - presentation or paper not mandatory but for extra credit
We can be reached via phone at:
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