

COURSE CATALOG

Current Catalog

If you cannot find the course of your interest, in Viscoelabs we can design it based on your needs.



GENERAL CONTINUOUS EDUCATION

COURSE CATALOG

LEVELS

Basic: 4-8 hours

Intermediate: 12-15 hours

Advanced: 30-35 hours

Modality: virtual and/or in person



PHYSICAL CHEMISTRY[®]

- Physicochemical properties of soft materials
- Physicochemical properties of fats and oils
- Bromatologics (Carbohydrates, lipids, ashes, proteins, humidity)
- Nutrition table
- Supramolecular chemistry
- Physicochemical characterization techniques of soft materials
- Effect of processing variables on the physicochemical properties of materials
- Multiphase materials (emulsions, foams, gels, suspensions)

APPLICATIONS

The background features several overlapping circles in shades of light blue and pink. In the upper right quadrant, there is a logo consisting of a white stylized letter 'e' inside a light blue circle, with a registered trademark symbol (®) to its top right.

- Natural cosmetics
- Biomolecules for the Food Industry
- Additives and techniques for the structure of food, cosmetics and pharmaceuticals
- Food additives
- Food Industry tendencies.
- Frequent problems and solutions within the food industry
- Food conservation techniques.
- Essential oils
- Functional food
- Craft beer manufacture

RESEARCH AND DEVELOPMENT[®]

The background features a large, stylized white 'S' logo inside a light blue circle. This circle overlaps with several other overlapping circles in shades of light blue and light pink. The overall design is clean and modern.

- Scientific method
- Experimental design
- Scientific writing
- Data treatment and Statistics
- Fundamentals of food product formulation
- Fundamentals of cosmetic product formulation
- Intellectual property (patents)

SPORTS AND NUTRITION[®]

The background features several overlapping circles in shades of light blue and pink. A large, stylized white letter 'e' is positioned in the upper right quadrant, partially overlapping a light blue circle. A small registered trademark symbol (®) is located at the top right of the 'e'.

- General nutrition
- Sports nutrition
- Diets and Sports- Safe practice with scientific bases
- Physical activity and sports.
- Training design
- Exercise and nutrition for corporal composition objectives
- Food engineering focused on nutrition
- Safe practice to enhance general health

HIGH SPECIALIZATION TRAINING

COURSE CATALOG

Theoretical, Theoretical & practical, Hands on

All of our high specialization trainings are customizable to satisfy the client's specific needs

LEVELS

Basic: 5-8 hours

Intermediate: 12-15 hours

Advanced: 30-35 hours

Modality: virtual and/or in person



COSMETIC, FOOD AND PHARMACEUTICAL (excipients) INDUSTRY IN GENERAL

- Thermal transitions by differential scanning calorimetry (DSC)
- Rheological properties
- Texture of Materials
- Microstructure of crystals and not crystals
- Thermomechanical and microstructural properties of soft materials
- Phase transitions of materials
- Crystallization process for product design
- Natural structuring agents
- Crystallization of lipid based materials
- Experimental design and specific data analysis
- Problem solving of frequent issues during manufacture and storage

FOOD INDUSTRY[®]

- Lipid composition
- Fat substitutes and tendencies
- Oleogels the fats of the future
- Rheology in food products
- Colloid stabilization techniques in food products
- Differential scanning calorimetry (DSC) for food products
- Correlation of sensorial analysis, rheological properties and texture in food products.
- Design of lipid bases products
- Prevention of lipidic products degradation

COSMETIC AND PHARMACEUTICAL (excipients)

- Natural Cosmetics
- Multiphase products (foams, emulsions, gels, suspensions)
- Excipient tendencies
- Specialized rheology of cosmetic products
- Differential scanning calorimetry of specialized products

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Av. Real de Lomas No. 350 Int. 113. Lomas 4ta Sección, CP. 78216, San Luis Potosí, S.L.P., Mexico, phone +52 444 760 136

contacto@viscoelabs.com

Mobile phone/WhatsApp: 444 41 421798
Attn: Flor Alvarez, CEO/Senior consultant