



SUMMER SCHOOL

JUNE 24 - JULY 12, 2019

CHEMISTRY & FORMULATION FOR COSMETICS

WEEK 1: COSMETICS FORMULATION & APPLICATIONS

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| <i>Monday 24th, June 2019</i> | 10:00 – 12:00 Welcome meeting Presentation of the programme, practical information, introducing ESCOM | ESCOM |
| | 12:00 – 14:00 Welcome Buffet Lunch | |
| | 14:00 – 16:30 “General concepts in cosmetics formulation + characterization techniques” Surfactants, fats, humectants, emollients, preservatives, dyes, viscosity control... | ESCOM |
| | 16:30 – 18:30 Visit of ESCOM Chimie and Compiègne city | ESCOM |
| <i>Tuesday 25th, June 2019</i> | 9:00 – 12:00 “Novel substances, polyssacharides” (to be precised) | Tomas Bata University Zlin (Czech Republic) |
| | 12:00 – 13:30 Lunch | |
| | 13:30 – 15:00 “Shampoo & skin care formulation” | SOLVAY |
| | 15:30 – 17:00 “Example of marine cosmetics” | French Alternative Energies and Atomic Energy Commission – Algae Process & Technologies |
| <i>Wednesday 26th, June 2019</i> | 9:00 – 12:00 “Fats and oils in cosmetics” | University of Chemical Technology Prague (Czech Republic) |
| | 12:00 – 13:30 Lunch | |

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| | 13:30 – 16:30 “Inorganic dyes in cosmetics, surface treatment and dyes” | Independent expert in cosmetics |
| <i>Thursday 27th, June 2019</i> | 7:30 – 16:30 Business trip : Visit of L’Oréal Chevilly-la-Rue (including lunch) | |
| <i>Friday 28th, June 2019</i> | 9:00 – 12:00 French Language course | ESCOM |
| | 12:00 – 13:00 Lunch | |
| | 13:00 – 17:00 Cultural visit : Pierrefonds Castle | ESCOM |

WEEK 2 : PERFUMES & FLAVOURS

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| <i>Monday 1st, July 2019</i> | 9:30 – 10:30 “Introduction to the international market of fragrances & perfumes” | SOLVAY |
| | 11:00 – 12:00 “Example of vanillin market” | |
| | 12:00 – 14:00 Lunch | |
| | 14:00 – 16:00 “Perfume Derivatives” | Chanel USA |
| <i>Tuesday 2nd, July 2019</i> | 9:00 – 10:30 “International rules and regulations – Perfume ingredients & derivatives” | Chanel France |
| | 10:30 – 12:00 “International rules and regulations – Cosmetics” | BASF |
| | 12:00 – 14:00 Lunch | |
| | 14:00 – 17:00 Business trip : Chanel Compiègne | |
| <i>Wednesday 3rd, July 2019</i> | 9:00 – 12:00 FLE | ESCOM |
| | 12:00 – 13:30 Lunch | |
| | 13:30 – 17:30 “Introduction to flavours and workshop on sensory analysis, food & organoleptic tests” | Metarom |
| <i>Thursday 4th, July 2019</i> | 9:00 – 18:00 Day in Paris Visit of Musée Fragonard (2 hours) Tour in Bateau-Mouche (2 hours) | ESCOM |
| <i>Friday 5th, July 2019</i> | 9:00 – 12:00 “Extraction techniques and processes” | To be defined |
| | 12:00 – 13:30 Lunch | |

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| 13:30 – 17:00 Lab work : Techniques for fruit extraction or cosmetics formulation | ESCOM |
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WEEK 3 : ENCAPSULATION, ACTIVE DELIVERY & SKIN CARE

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| <i>Monday 8th, July 2019</i> | 9 :00 – 12 :00 “Encapsulation techniques for cosmetics” | Université du Québec à Chicoutimi (Canada) |
| | 12:00 – 14:00 Lunch | |
| | 14:00 – 17:00 “Skin composition, tribology and methods of analysis for penetration of active ingredients” | L’Oréal |
| <i>Tuesday 9th, July 2019</i> | 9:00 – 12:00 FLE | ESCOM |
| | 12:00 – 13:30 Lunch | |
| | 13:30 – 16:30 “Encapsulation techniques and characterization – Flavours & fragrances” | Takasago |
| <i>Wednesday 10th, July 2019</i> | 9:00 – 18:00 Visit and workshop on microfluidics in Institut Pierre-Gilles-de-Gênes (Paris) | |
| <i>Thursday 11th, July 2019</i> | 9:00 – 17:00 Visit of Chantilly Castle | ESCOM |
| <i>Friday 12th, July 2019</i> | 8:30 – 12:00 Lab work : Skin care formulation, microfluidics, active delivery | ESCOM |
| | 12:00 – 13:30 Farewell Buffet Lunch | |

This is a provisional programme subject to changes in terms of content, dates and speakers.