



Online course: **Colloid Chemistry and Colloidal Dispersions - Fundamentals and Practical Aspects**

12-14 May 2020

This 3-day intensive course, originally planned to be held onsite and now available as an online course, provides a comprehensive introduction to the fundamental and practical aspects of colloid chemistry and colloidal dispersions. The course is focused on particles that are dispersed in liquids. Nearby topics, such as surfactant chemistry, polymers in solution, emulsions and foams are also covered to some degree in order to make the course complete on a stand-alone basis.

Colloidal dispersions are systems where one phase, having at least one dimension between 1 and 1000 nm, is dispersed in a second phase. Examples are particles dispersed in a liquid to form a suspension or liquid droplets dispersed in a second liquid, in which it is insoluble, to form an emulsion.

Colloidal dispersions are present in every-day life, from food systems to ceramics. The chemistry of colloidal dispersions covers many overlapping fields of science, such as physical chemistry, organic chemistry, physics and biology. It is therefore rare that solely colloidal dispersions are covered in academic course programs.

Quotes from participants 2017 and 2018

"It was very intense but we got a good overview of the field."

"The information in the handouts is clear and really easy to follow."

Overall rating by participants of the course 2018

Excellent: 42% of course participants, Good: 58% of course participants

Overall rating of the performance of the lecturers in 2018:

Excellent: 58% of course participants, Good: 42% of course participants

Who is this course intended for?

The course is relevant for industrialists, researchers and PhD students working with development and formulation of any colloidal system, be it paints, coatings, ceramics, food or pharmaceutical formulations.

What will this course give me?

This course provides a comprehensive introduction to the fundamental and some practical aspects of colloid chemistry and colloidal dispersions.

Lectures

[For detailed information on the lectures and their content click here.](#)

Lecturers

Prof. Bengt Kronberg, first author of the course book
Dr. Martin Andersson (RISE)
Dr. Isabel Mira (RISE)
Dr. Mikael Kjellin (RISE)

Documentation

Participants receive a personal copy of the book "Surface Chemistry of Surfactants and Polymers" by Bengt Kronberg, Krister Holmberg and Björn Lindman, Wiley, 2014, 496 pages, ISBN: 978-1-119-96124-6 and electronic copies of slides with adjoining comments.

Fee

SEK 13 700 (ca. EUR 1 255 according to the exchange rate in April, 2020) excl VAT. 10% discount available for two or more enrolments from the same company/organisation.

The fee covers all tuition costs and course documentation including a copy of the course book.

Cancellation up to 14 Days before the event 100% refund, cancellation 14-7 days before the event 50% refund. No refund if you cancel later than 7 Days before the event. After informing the organizers a colleague can take your place if you cannot participate.

Time and schedule:

Tuesday 12 May 08:30- 15:45
Wednesday 13 May 08:30- 15:45
Thursday 14 May 08:30- 16:30

Language

English

Venue

The course will be held online, in real time, using the video conferencing and online meeting platform Zoom. To join, participants will be provided with a link (no need for installation of the Zoom application or having an account will be required to join the meeting).

Additional practical information will be communicated in connection to the course confirmation letter.

Final date for registration

30 April

Registration

[Register here.](#)

Questions about the scientific content or the opportunity to arrange in-house courses at your company:

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Practical questions regarding registration:

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This course is organized by [RISE Research Institutes of Sweden](#) within the framework of [PERFORM](#)- a competence platform in formulation science.